

**CITY OF SAN ANTONIO
INTERDEPARTMENTAL MEMORANDUM
PARKS AND RECREATION DEPARTMENT**

TO: Mayor and City Council

FROM: Malcolm Matthews, Director, Parks and Recreation Department
Thomas G. Wendorf, P.E., Director, Public Works Department

THROUGH: Terry M. Brechtel, City Manager

COPIES: Christopher J. Brady; Management and Budget; Legal; File

SUBJECT: Friedrich Park and Eisenhower Park Water Service Connections Project

DATE: June 3, 2004

SUMMARY AND RECOMMENDATIONS

This ordinance accepts the proposal and selects San Antonio Design Group, Inc., a MBE firm, to provide engineering services associated with the Friedrich Park and Eisenhower Park Water Service Connections Project in City Council District 8; authorizes the negotiation and execution of a professional services contract in an amount not to exceed \$68,100.00; authorizes \$6,810.00 for contingency expenses, \$2,000.00 for bid advertising/printing and \$14,000.00 for mandatory project fees, for a total amount of \$90,910.00 from 2003-2007 General Obligation Park Improvement Bond funds; appropriates funds and provides for payment.

Staff recommends approval of this ordinance.

BACKGROUND INFORMATION

This ordinance authorizes compensation to San Antonio Design Group, Inc. for engineering services to include design, plan preparation and bid documents, construction phase services and additional services, including required inspections and surveys, as shown in the proposal included in Attachment 3.

This project will provide for the connection of water supply service to Friedrich Park (21395 Milsa) and Eisenhower Park (19399 NW Military Hwy.) located in City Council District 8. The scope of work will include all necessary connections to a water main and water piping facilities as necessary. The consultant will coordinate with other concurrent improvements to the buildings at Friedrich.

The engineer will begin design work in July 2004 and is estimated to be finished in October 2004. Construction is anticipated to occur from February 2005 until May 2005.

POLICY ANALYSIS

This project is in accordance with the 2003 Bond Program approved in November 2003. The consultant was selected through the City's RFQ consultant selection process. This ordinance is also a declaration of the City's official intent to reimburse itself from the proceeds derived from the sale of the City of San Antonio, General Obligation Park Improvement Bonds.

FISCAL IMPACT

The 2003 authorized Parks and Recreation capital improvements for Eisenhower Park and Friedrich Park Water Service Improvements has total approved funds of \$595,000.

This is a one-time capital improvement expenditure within budget and included in the authorized 2003 Capital Improvements Bond Program. Funds in the amount of \$90,910.00 will be appropriated from authorized 2003-2007 General Obligation Park Improvement Bonds for the following:

\$68,100.00	design services by San Antonio Design Group, Inc.
\$ 6,810.00	design contingency expenses
\$ 2,000.00	bid advertising/printing
\$14,000.00	mandatory project fees

COORDINATION

This item has been coordinated with the Finance Department, the Public Works Department and the Office of Management and Budget.

SUPPLEMENTARY COMMENTS

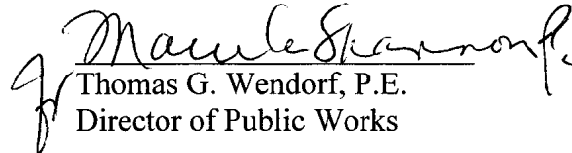
A Discretionary Contracts Disclosure Form from San Antonio Design Group, Inc. is attached.

ATTACHMENTS

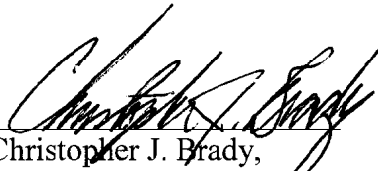
1. Project Map
2. Discretionary Contracts Disclosure Form
3. Consultant Proposal
4. Professional Services Agreement



Malcolm Matthews,
Director of Parks and Recreation



Thomas G. Wendorf, P.E.
Director of Public Works



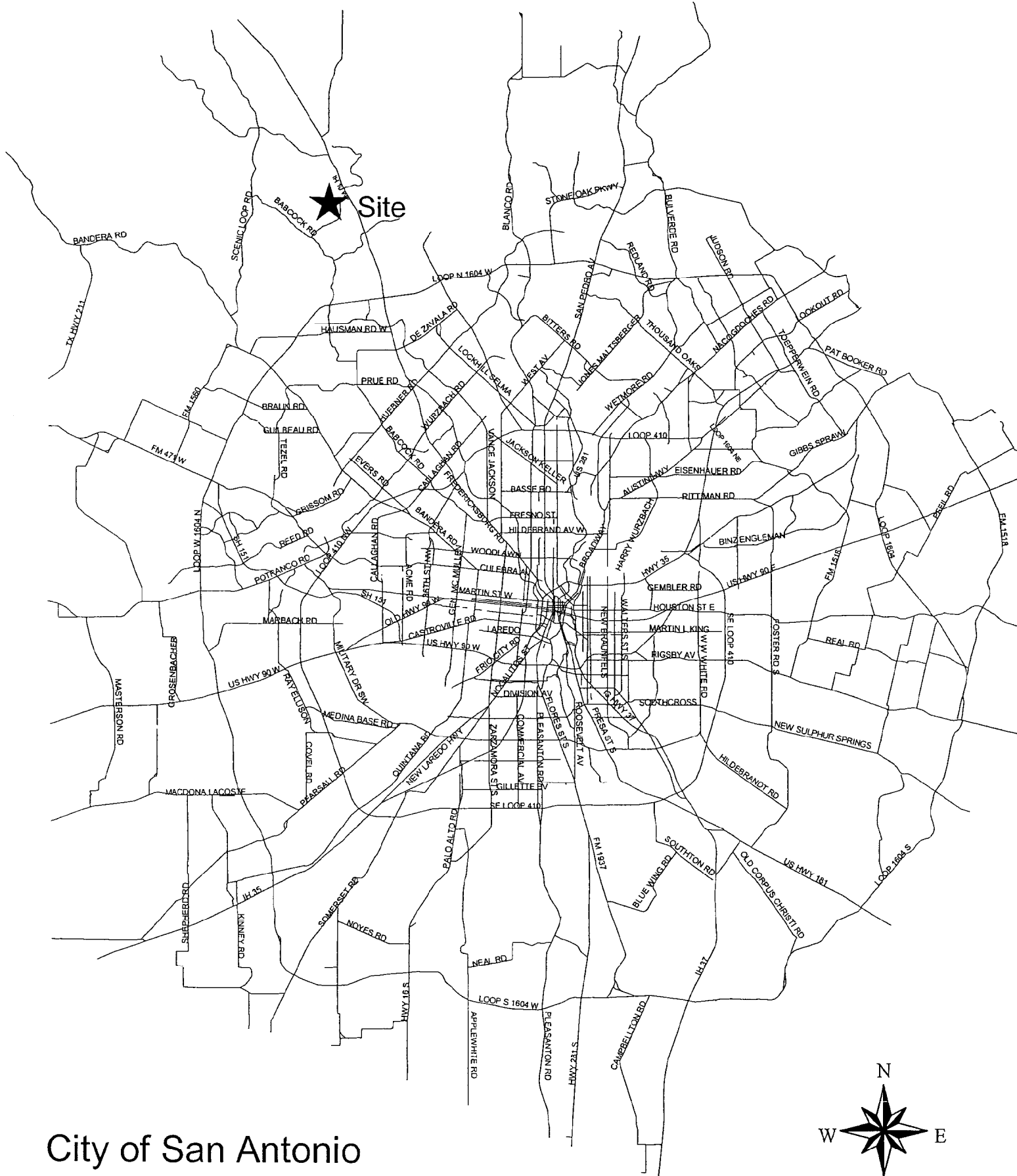
Christopher J. Brady,
Assistant City Manager

Approved:



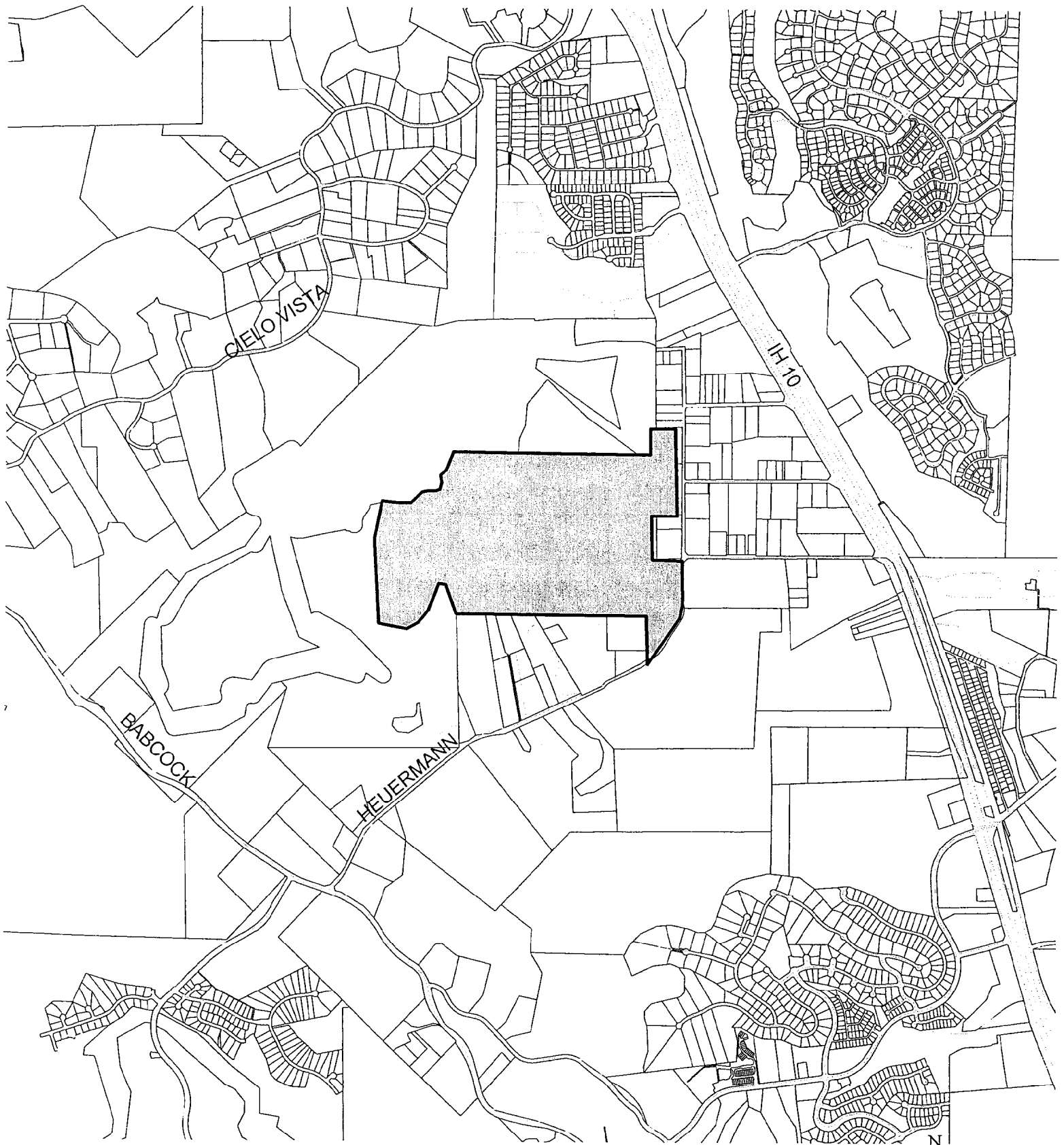
Terry M. Brechtel
City Manager

Site Map Freidrich Park

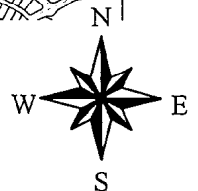


City of San Antonio
Parks & Recreation Dept.

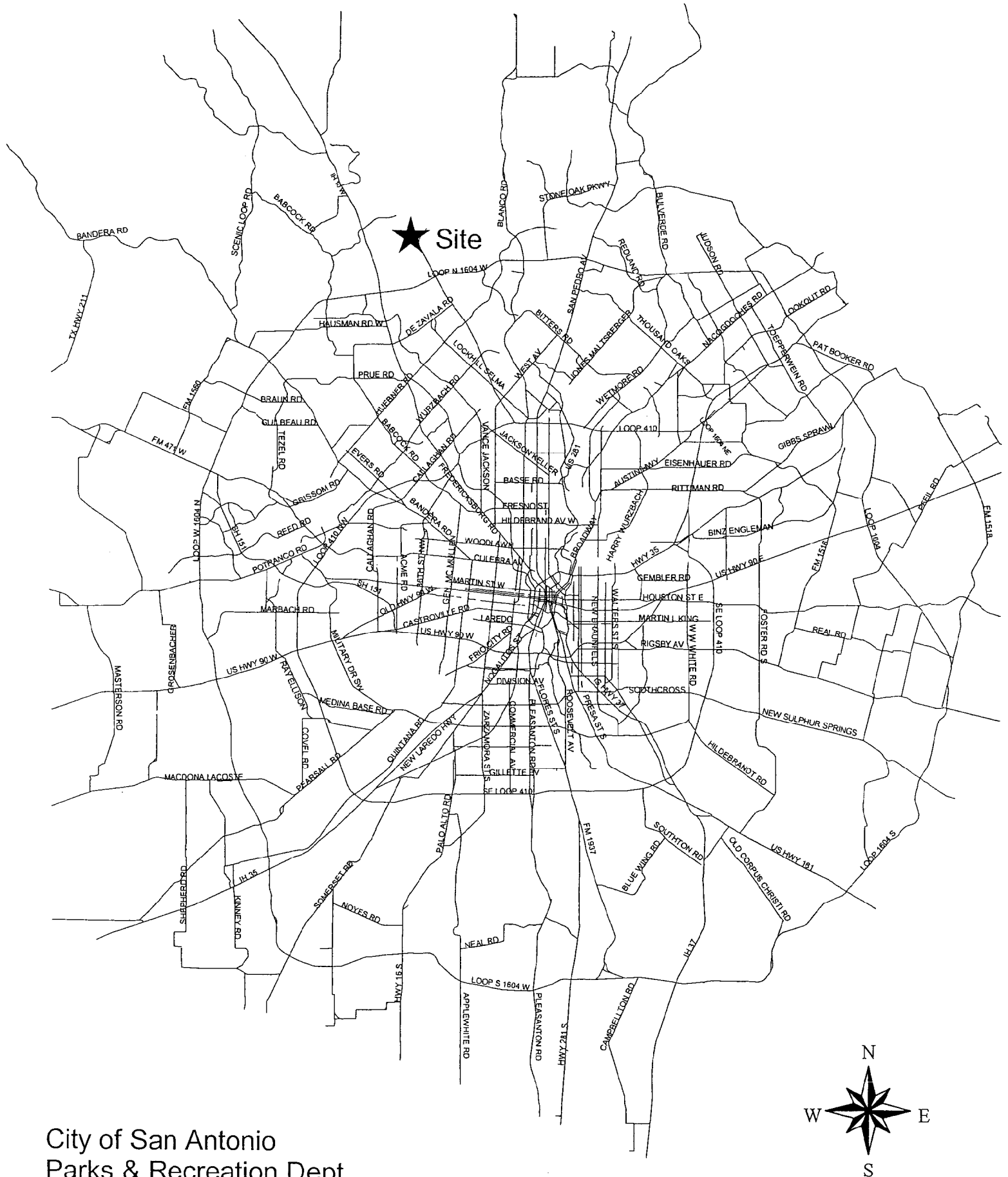
Site Map Freidrich Park



City of San Antonio
Parks & Recreation Dept.



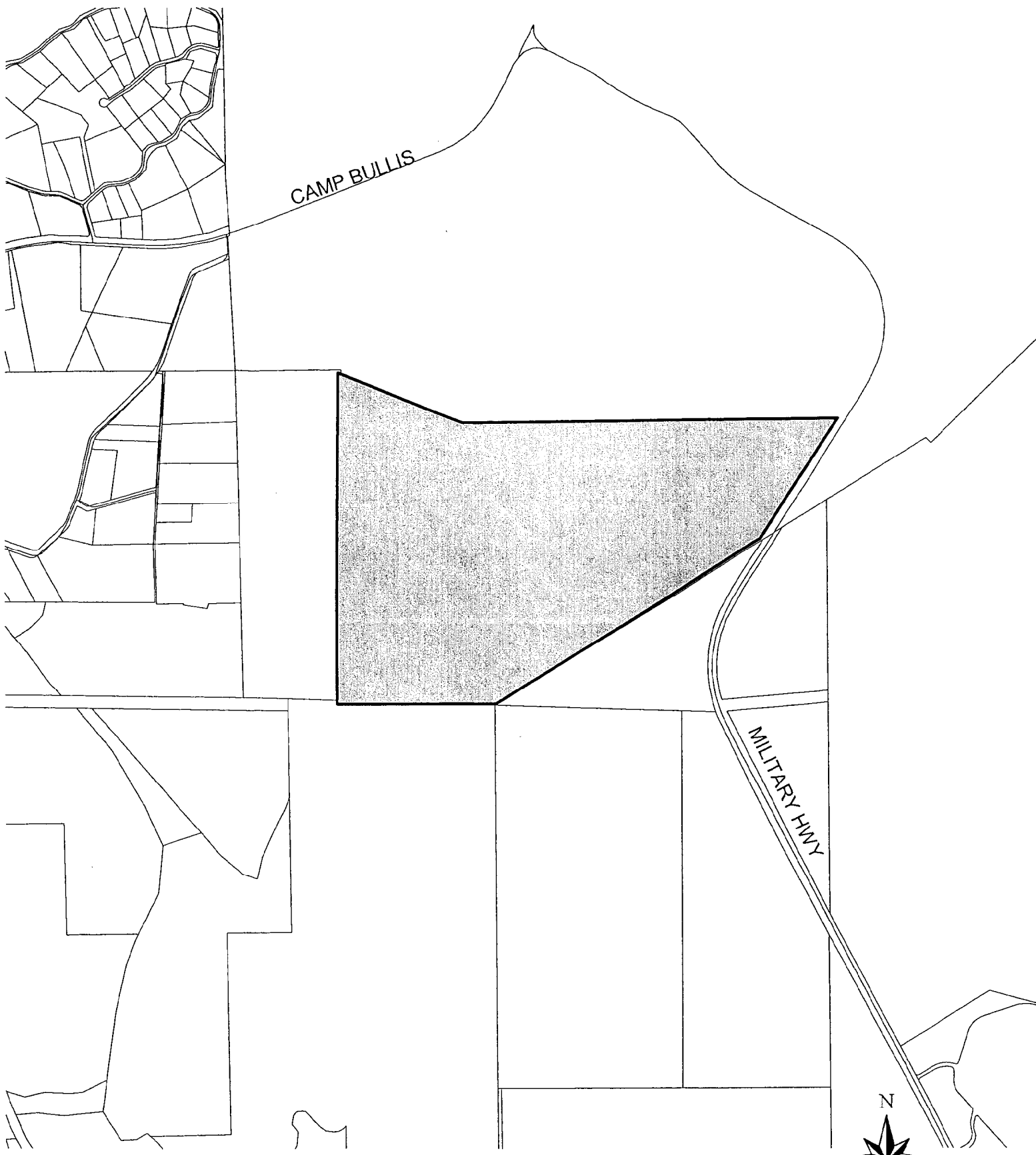
Site Map Eisenhower Park



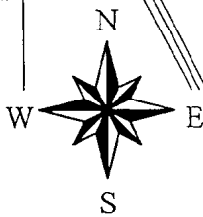
City of San Antonio
Parks & Recreation Dept.

Site Map

Eisenhower Park



City of San Antonio
Parks & Recreation Dept.



City of San Antonio Discretionary Contracts Disclosure*

For use of this form, see City of San Antonio Ethics Code, Part D, Sections 1&2

Attach additional sheets if space provided is not sufficient.

State "Not Applicable" for questions that do not apply.

* This form is required to be supplemented in the event there is any change in the information under (1), (2), or (3) below, before the discretionary contract is the subject of council action, and no later than five (5) business days after any change about which information is required to be filed.

Disclosure of Parties, Owners, and Closely Related Persons

For the purpose of assisting the City in the enforcement of provisions contained in the City Charter and the Code of Ethics, an individual or business entity seeking a discretionary contract from the City is required to disclose in connection with a proposal for a discretionary contract:

(1) the identity of any individual who would be a party to the discretionary contract:

N/A

(2) the identity of any business entity that would be a party to the discretionary contract:

N/A

and the name of:

(A) any individual or business entity that would be a subcontractor on the discretionary contract:

N/A

and the name of:

(B) any individual or business entity that is known to be a partner or a parent or subsidiary business entity of any individual or business entity who would be a party to the discretionary contract:

N/A

¹ A business entity means a sole proprietorship, partnership, firm, corporation, holding company, joint-stock company, receivership, trust, unincorporated association, or any other entity recognized by law.

(3) the identity of any lobbyist or public relations firm employed for purposes relating to the discretionary contract being sought by any individual or business entity who would be a party to the discretionary contract.

N/A


Political Contributions

Any individual or business entity seeking a discretionary contract from the city must disclose in connection with a proposal for a discretionary contract all political contributions totaling one hundred dollars (\$100) or more within the past twenty-four (24) months made directly or indirectly to any current or former member of City Council, any candidate for City Council, or to any political action committee that contributes to City Council elections, by any individual or business entity whose identity must be disclosed under (1), (2) or (3) above. Indirect contributions by an individual include, but are not limited to, contributions made by the individual's spouse, whether statutory or common-law. Indirect contributions by an entity include, but are not limited to, contributions made through the officers, owners, attorneys, or registered lobbyists of the entity.

To Whom Made:	Amount:	Date of Contribution:
N/A		

Disclosures in Proposals

Any individual or business entity seeking a discretionary contract with the city shall disclose any known facts which reasonably understood raise a question² as to whether any city official or employee would violate Section 1 of Part B, Improper Economic Benefit, by participating in official action relating to the discretionary contract.

N/A		
Signature: J. A. Saucedo Jr. 	Title: Principal San Antonio Design Group Inc.	Date: May 17, 2004

² For purposes of this rule, facts are "reasonably understood" to "raise a question" about the appropriateness of official action if a disinterested person would conclude that the facts, if true, require recusal or require careful consideration of whether or not recusal is required.



**San Antonio
Design Group Inc.**

DEVELOPMENT & INFRASTRUCTURE
CONSULTING ENGINEERS

May 14, 2004

SADG Project No. 04104

Mr. Scott E. Stover, ASLA
Parks Projects Manager
City of San Antonio Parks Projects Services
506 Dolorosa
San Antonio, Texas 78283

**RE: FRIEDRICH PARK AND EISENHOWER PARK WATER SERVICE
CONNECTIONS.**

Dear Mr. Stover:

San Antonio Design Group Inc. (SADG) is pleased to submit this proposal for the above mentioned project. Attached is a breakdown of the proposed fees and additional services cost. The following is a summary of this cost.

Proposed Fee	\$68,100.00
Additional Services	\$10,800.00
Total Estimate	\$78,900.00

The additional services are for geotechnical support on both parks, and environmental issues that will have to be addressed at Eisenhower Park. We allowed for seven (7) soil borings. We are planning on five (5) of these borings to be along NW Military Hwy along the alignment site, and one soil bore at each park.

There are two (2) environmental issues that will have to be addressed for Eisenhower Park and the water main along Military Drive. One is the Endangered Species Habitat Assessment that must be submitted with our Storm Water Pollution Prevention Plan. The fee proposal from our consultant for preparing this document is \$4,500.00. The other issue is to prepare a TNRCC-10256 (Solution Feature Discovery Notification Form) should Karst features be discovered during subsequent trenching and boring operations. Our consultant's fee for preparing this document is \$400.00 for each time he is called to the site. At this time it is not known how many times he will be needed at the site, if any. Therefore, this cost is not included as an additional service at this time.

Another additional service expense is the submittal of the "Utility Line on TxDOT Highway Right-of-Way" permit application. We will be proposing that our water main alignment follow the east right-of-way line of FM 1535 (NW Military Hwy). Because this is a State Highway, we must conform to the policies of the San Antonio District

San Antonio Design Group Inc.

Texas Department of Transportation. For your information, we are including a copy of the San Antonio District's requirements for a utility permit.

These requirements bring up another issue that should be considered at this stage. We are especially concerned with paragraph 8e (Boring and Jacking Under Desirable Trees) of these requirements. Both sides of Military Drive are lined with large trees. In addition, it appears as though bedrock is just below ground surface.

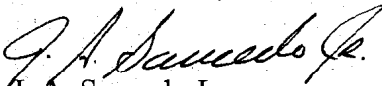
The initial budget estimate submitted by SAWS did not consider excavating in rock or extensive boring. At the present time, CPS is constructing a 4" gas main along the west right-of-way line of NW Military Hwy. They are boring almost the entire length because of the trees. We discussed our project with the company owner and he estimated the cost for constructing an 8" water main using the same procedure they are using for the gas main would be between \$70.00 to \$80.00 per foot. Unfortunately, this is approximately three times the estimated amount provided by SAWS in 1999.

We hope for the opportunity to discuss some possible solutions in the near future.

We appreciate the opportunity of working with you on this project. Please feel free to call if you have any questions.

Sincerely

SAN ANTONIO DESIGN GROUP INC.



J. A. Saucedo Jr.

Principal

Attachments: Bid Tabulation Breakdown
TxDOT Provisions for Utility Permit.

SAN ANTONIO DESIGN GROUP
FRIEDRICH PARK EISENHOWER PARK WATER SERVICE CONNECTIONS

May 14, 2004

	EISENHOWER PARK OFF SITE	EISENHOWER PARK ON SITE	FRIEDRICH PARK OFF SITE	FRIEDRICH PARK ON SITE	TOTAL COST
PRELIMINARY PHASE A					
Scope meeting		\$ 100.00		\$ 100.00	\$ 200.00
Initial Investigation	\$ 2,500.00	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 4,500.00
Field Surveying & Processing	\$ 7,000.00	\$ 1,500.00	\$ 1,000.00	\$ 1,500.00	\$ 11,000.00
Prepare Topographic Map	\$ 3,000.00	\$ 800.00	\$ 500.00	\$ 800.00	\$ 5,100.00
Prepare Preliminary Water Main Plans	\$ 3,000.00	\$ 500.00	\$ 300.00	\$ 500.00	\$ 4,300.00
Prepare Preliminary Phase A Report		\$ 1,500.00		\$ 400.00	\$ 1,900.00
Review Meeting					\$ 200.00
Reproduction					\$ 400.00
Subtotal	\$ 15,500.00	\$ 4,900.00	\$ 2,800.00	\$ 3,800.00	\$27,200.00
PRELIMINARY PHASE B					
Intermediate Title Sheet					\$ 400.00
Intermediate Notes & Quantities					\$ 300.00
Intermediate Project Layout					\$ 1,500.00
Intermediate Phasing Plan					\$ 1,200.00
Intermediate Traffic Control Plan	\$ 3,000.00		\$ 1,000.00		\$ 4,000.00
Intermediate SW3P					\$ 400.00
Intermediate Water Main Plans	\$ 2,500.00	\$ 300.00	\$ 200.00	\$ 300.00	\$ 3,300.00
Intermediate Detail Sheets					\$ 200.00
Intermediate Cost Estimate					\$ 1,500.00
Intermediate Review Meeting					\$ 200.00
Reproduction					\$ 600.00
Subtotal	\$ 5,500.00	\$ 300.00	\$ 1,200.00	\$ 300.00	\$ 13,600.00
DESIGN PHASE					
Final Title Sheet					\$ 200.00
Final Notes & Quantities					\$ 300.00
Final Project Layout					\$ 800.00
Final Phasing Plan					\$ 800.00
Final Traffic Control Plan	\$ 1,000.00		\$ 400.00		\$ 1,400.00
Final SW3P					\$ 200.00
Final Water Main Plans	\$ 1,500.00	\$ 300.00	\$ 200.00	\$ 300.00	\$ 2,300.00
Final Detail Sheets					\$ 2,000.00
Final Cost Estimate					\$ 1,000.00
Final Review Meeting					\$ 600.00
Attend Citizen Meetings					\$ 1,000.00
Prepare Specifications					\$ 1,500.00
Prepare Standard Sheets					\$ 1,200.00
Reproduction					\$ 1,000.00
Subtotal	\$ 2,500.00	\$ 300.00	\$ 600.00	\$ 300.00	\$ 14,300.00
BID PHASE					
Prepare Bid set for Review					\$ 1,000.00
Prepare Final Cost Estimate					\$ 500.00
Prepare 20 Bid Sets					\$ 1,200.00
Issue Plans & Specifications					\$ 1,000.00
Attend Prebid Conference & Bid Opening					\$ 500.00
Prepare Bid Tabulation					\$ 400.00
Subtotal					\$ 5,600.00
CONSTRUCTION PHASE					
Pre-construction Conference					\$ 400.00
Construction Staking	\$ 2,500.00	\$ 750.00		\$ 750.00	
Construction Visits					\$ 2,000.00
Construction Administration					\$ 2,000.00
Final Inspection					\$ 500.00
Record Drawings					\$ 2,500.00
Subtotal	\$ 2,500.00	\$ 750.00		\$ 750.00	\$ 7,400.00
TOTAL BASE FEE					\$68,100.00
ADDITIONAL SERVICES					
Geotechnical					\$5,300.00
Environmental					\$4,500.00
TxDot permit					\$1,000.00
TOTAL ADDITIONAL SERVICES					\$10,800.00

**SPECIAL PROVISIONS FOR
TxDOT – SAN ANTONIO DISTRICT
UTILITY PERMITS**

Revised December 1, 2003

Bold text indicates revisions issued on the above date.

1. Effective Period of Permit Approval A TxDOT utility permit is void if installation does not begin within 6 months from the date of approval.
2. Minimum Depth of Cover. The minimum depth of cover for any underground utility line shall be as shown on the attached "Minimum Depth of Cover Table".
3. Locating TxDOT-Owned Utilities. Before beginning work on any utility permit, refer to the attachment entitled "Locating TxDOT-Owned Utilities".
4. Aerial Electric Lines. Aerial electric power lines crossing over the highway shall be installed and maintained a minimum of twenty-two (22) feet above the surface of the traffic lanes. For electric power lines with greater than 50,000 volts, the clearance shall be increased in accordance with National Electric Safety Code as published in the National Bureau of Standards, Handbook 30.
5. Aerial Communication Lines. Aerial communication lines crossing over the highway shall be installed and maintained a minimum of eighteen (18) feet above the surface of the traffic lanes.
6. Open Trenching or Boring Operations for Utility Work. To insure that disturbed areas are restored and revegetated properly and in a reasonable period as the utility work progresses, the following requirements shall apply:

Unless otherwise approved or directed by TxDOT, the length of "active utility work" shall not exceed one mile in length. "Active utility work" shall be defined as the total disturbed area measured from the beginning of open trenching to the point where backfill has been compacted, the right of way has been restored to its original line and grade, any structures damaged by the utility work have been repaired, erosion control measures have been placed and are being properly maintained, approved topsoil seed and compost has been placed uniformly, and watering for revegetation has begun. "Active utility work" also includes areas of bore pits and receiving pits; however it does not include the underground boring length. When any area of "active utility work" is substantially complete (ie, watering of seeded areas has begun), that area is no longer considered to be "active utility work", and "active utility work" can proceed further within the right of way as long as it does not exceed the above appropriate limits. Areas where TxDOT determines that the "active utility work" is substantially complete does not mean that TxDOT considers that area totally acceptable and complete.

7. Backfill, Erosion Control, and Re-vegetation. All excavations within the right-of-way (ROW) and not under pavement shall be backfilled by tamping in six (6) inch horizontal layers to the density of the surrounding soil or as directed by an inspector from the Texas Department of Transportation (TxDOT). All surplus material shall be removed and the ROW shall be reshaped to its original condition or better. Four inches of topsoil shall be spread over all disturbed areas and then re-seeded and watered sufficiently to promote revegetation. One inch of General Use Compost shall be uniformly applied over all disturbed areas in accordance with the attached Special Specification Item 1027, unless otherwise approved or directed by TxDOT. Slopes 4:1 or steeper shall be replaced with block sodding. This work shall be done in accordance with the latest edition of the Texas Department of Transportation (TxDOT) "Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges". Erosion control measures such as soil retention blankets, rock berms, and

**SPECIAL PROVISIONS FOR
TxDOT – SAN ANTONIO DISTRICT
UTILITY PERMITS**

Revised December 1, 2003

silt fences shall be installed and maintained until permanent perennial vegetation is established over 70% of the disturbed area. The amount of revegetation is considered acceptable when it resembles the amount of existing vegetation in the surrounding undisturbed area.

8. Boring and Jacking. Boring and jacking of utility lines shall be provided as specified below.
 - a. Under Highways. Utility lines to be constructed under any TxDOT highway shall be installed by boring and jacking with steel casing. Boring shall extend a minimum of ten (10) feet from the edge of pavement or curb. Use of water or other fluids in connection with boring operations will be permitted only in sufficient quantity to lubricate the boring bit and provide a smooth flow of cuttings. Jetting will not be permitted.
 - b. Under Paved County Roads or City Streets. Utility lines to be constructed under an existing paved (asphalt pavement or concrete pavement) county road or city street intersection at a TxDOT Highway, shall be installed by boring and jacking with steel casing.
 - c. Under Paved Driveways. Utility lines to be constructed under existing paved (asphalt pavement or concrete pavement) driveways shall be installed by boring and jacking methods, unless the utility company furnishes TxDOT with a "Letter of No Objection" signed by the driveway owner to allow open cutting of their driveway.
 - d. Under Unpaved County Roads, City Streets, or Driveways. Utility lines to be constructed under an existing unpaved county road or city street intersection at a TxDOT Highway, or under existing unpaved driveways may be open cut after the driveway owner is notified.
 - e. Under Desirable Trees. To preserve the natural environment and protect wildlife habitat, boring may be required when underground utility lines are to be placed within the "protected root area" of "desirable trees" located within highway ROW or on adjacent property. The "protected root area" is defined as the area between the tree trunk and five (5) feet from the tree trunk or 2/3 the actual distance from the tree trunk to the dripline, whichever is greater. "Desirable trees" include (but are not limited to) any tree with a trunk diameter of six (6) inches or more that TxDOT determines to be of environmental and aesthetic value. Boring under all "desirable trees" will be required with the following exceptions: (1) in areas where planned highway construction/maintenance work would require tree removal, or (2) when the TxDOT inspector approves of open trenching for the utility installation or removal of the tree.
9. Manhole Covers. All manhole covers shall be installed flush with the ground surface.
10. Traffic Control. Traffic control in utility work zones shall conform to applicable requirements of the "Texas Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI". Adequate signs, barricades, flag personnel, etc. shall be erected and maintained in complete compliance with the Texas Manual on Uniform Traffic Control Devices as deemed necessary by the TxDOT inspector. Any travel lane closures are only permitted after a traffic control plan is approved by TxDOT prior to beginning any construction activities.
11. Saturday, Sunday or Holiday Work. Saturday, Sunday or Holiday work will not be permitted for the installation of any utility line unless directed or approved by TxDOT.

**SPECIAL PROVISIONS FOR
TxDOT – SAN ANTONIO DISTRICT
UTILITY PERMITS**
Revised December 1, 2003

12. Protection of Trees and Landscaping. Existing trees and landscaping within the ROW shall be protected as specified below. Removal of trees from the ROW will require prior TxDOT approval.

- a. **Tree Pruning.** All tree pruning within the ROW will require prior TxDOT approval. All oak trees that are damaged or pruned shall be treated with an approved tree wound dressing within 20 minutes of causing the damage or making the pruning cut.
- b. **Landscaping.** When existing landscaping is located near the proposed utility alignment, the utility contractor shall notify TxDOT and the owner of the landscaping prior to the proposed utility installation. TxDOT may require underground utilities to be installed by: (1) boring under such landscaping or (2) by replacement of specific landscape items. Landscaping is defined as, but not limited to, trees, shrubs, grass, irrigation lines, landscape pavers, sidewalks, and other ROW improvements.

C:\UtilitySpecialProvisions

Evaluation of Qualification Statements for

\$ 476,000 est.

Reviewer:

**PROFESSIONAL SERVICES AGREEMENT
FOR
ENGINEERING SERVICES**

STATE OF TEXAS

COUNTY OF BEXAR

AGREEMENT FOR

FRIEDRICH PARK & EISENHOWER PARK WATER SERVICE CONNECTION

This AGREEMENT is made and entered into by and between the City of San Antonio (hereinafter referred to as "**CITY**"), a Texas Municipal Corporation acting by and through its City Manager, pursuant to Ordinance No. _____, passed and approved on the 3RD day of JUNE, 2004 and **SAN ANTONIO DESIGN GROUP, INC.** (hereinafter referred to as "**CONSULTANT**"), both of which may be referred to herein collectively as the "**PARTIES**".

IN CONSIDERATION of the mutual covenants, terms, conditions, privileges and obligations herein contained, **CITY** and **CONSULTANT** do hereby agree as follows:

I. DEFINITIONS

As used in this AGREEMENT, the following terms shall have meanings as set out below:

1.1 "Director" means the director of **CITY**'s Public Works Department, or the designated project manager identified by the Notice to Proceed.

1.2 "Project" means the capital improvement/construction development undertaking of **CITY** for which **CONSULTANT**'s design services, as stated in the Scope of Services, are to be provided pursuant to this AGREEMENT.

1.3 "Ab Initio" means from the beginning; from the first act; from the inception. *See Black's Law Dictionary, 5th Ed., © 1983.*

1.4 "Respondeat Superior" means let the master answer. This maxim means that a master is liable in certain cases for the wrongful acts of his servant, and a principal for those of his agent. *See Black's Law Dictionary, 5th Ed., © 1983.*

II. PERIOD OF SERVICE

This AGREEMENT shall take effect on the eleventh (11th) calendar day after it is approved by the San Antonio City Council or upon execution by both parties, whichever date is later, and continue in full force and effect for the period required for completion of the duties as set forth in the Scope of Services.

III. SCOPE OF SERVICES

3.1 **CONSULTANT** shall not commence work until **CONSULTANT** has been thoroughly briefed on the scope of Project, and has been notified in writing by Director to proceed. **CONSULTANT** shall provide a written summary of the scope meeting, including a description of the Project's scope and **CONSULTANT's** services required by said scope. Should the scope subsequently change, either party may request a review of the anticipated services, with an appropriate adjustment in fees; however, such adjustment cannot exceed the maximum allowed for additional services in Article V, Compensation, and cannot substantially alter the original scope of this AGREEMENT.

3.2 **CONSULTANT**, in consideration for the compensation herein provided, shall render the professional services necessary for the development of the Project to substantial completion, including plans and specifications, construction services and any special and general conditions and instruction to bidders as acceptable to Director.

3.3 **CONSULTANT** shall be represented by a professional engineer licensed to practice in the State of Texas at meetings of any official nature concerning the Project, including but not limited to scope meetings, review meetings and other meetings as may be required by the Project development process. All design submittals shall carry the signature and seal or, in the case of progress, or incomplete submittals, an appropriate disclaimer with the professional engineer's name and license number, with the date of the submittal adjacent thereto of a licensed professional engineer.

3.4 **CONSULTANT** shall complete the various phases of work listed in this Article III "Scope of Services", including all attachments hereto, in accordance with the Production Schedule in Attachment "B" of this AGREEMENT. Director may, in writing, extend any delivery dates contained in said Attachment "B", Production Schedule, as requested by **CONSULTANT**.

3.5 Upon acceptance and approval of the plans, reports or other producibles required for a phase of work, as set forth in the Scope of Services, Director shall authorize **CONSULTANT**, in writing, to proceed with the next phase of work.

3.6 The following is a list of all the documents that comprise the Scope of Services for this Project: Each such document is attached hereto and incorporated herein for all purposes. **CONSULTANT** agrees to perform all work required by this Scope of Services.

3.6.1 ATTACHMENT "A" (Scope of Services)

3.6.2 ATTACHMENT "B" – (Production Schedule)

3.6.3 ATTACHMENT "C" – (Consultant's Fee Proposal and SBEDA Participation Statement From Consultant's Interest Statement)

IV. COORDINATION WITH THE CITY

4.1 CONSULTANT shall hold periodic conferences with Director, so that the project, as developed, shall have the full benefit of CITY's experience and knowledge of existing needs and facilities and be consistent with its current policies and standards. No more than two conferences shall be held per phase, unless otherwise agreed to by Parties. CITY shall make available, for CONSULTANT's use, all existing plans, maps, field notes, statistics, computations, and other data in its possession relative to existing facilities and to this Project as may be requested by CONSULTANT at no cost to CONSULTANT.

4.2 Director shall act on behalf of CITY with respect to the work performed under this AGREEMENT. He shall have complete authority to transmit instructions, receive information, and interpret and define CITY's policies and decisions with respect to materials, equipment elements and systems pertinent to CONSULTANT's services.

4.3 CITY shall provide written notice to the CONSULTANT of any errors or omissions discovered in the CONSULTANT's services, or performance, or of any development that affects the scope or timing of CONSULTANT's services.

4.4 CONSULTANT shall complete all applications and furnish all required data, as set forth in the Scope of Services, compiled by CONSULTANT for CITY's use in obtaining any permits or approvals from governmental authorities having jurisdiction over the Project as may be necessary for completion of the Project. CONSULTANT shall not be obligated to develop additional data, prepare extensive reports or appear at hearings in order to obtain said permits or approvals, unless compensated therefore as provided in Article V, entitled "Compensation".

V. COMPENSATION

5.1 For and in consideration of the services to be rendered by CONSULTANT, CITY shall pay CONSULTANT the fee set forth in this Article V, Compensation. CITY may request CONSULTANT to perform an engineering study to refine the Project scope. Payment for such a study will be negotiated in accordance with Article V, Section 5.5 herein.

5.2 Nothing contained in this AGREEMENT shall require CITY to pay for any unsatisfactory work, as determined by Director, or for work that is not in compliance with the terms of this AGREEMENT. CITY shall not be required to make any payments to CONSULTANT at any time CONSULTANT is in default under this AGREEMENT.

5.3 BASIS FOR COMPENSATION

A. The total fee for CONSULTANT's work as defined in the Scope of Services shall be as a lump sum of SIXTY EIGHT THOUSAND, ONE HUNDRED and 00/100 Dollars \$68,100.00

B. **CONSULTANT** may submit invoices for partial payment prior to submittal of review documents as outlined below. **CONSULTANT** must submit a written progress report detailing work performed for the billing period reflected in the invoice. A partial payment made must be in proportion to the work performed as reflected in the report and approved by Director. Partial payments shall be payable no later than thirty (30) days following acceptance by Director. Partial payments shall not exceed 70% of each phase prior to acceptance of that phase by **CITY**. The balance due for that phase will be paid upon acceptance of the phase by **CITY**. **CITY** shall have no more than 45 days from the date of submittal within which to review and approve or reject said phase. If no action has been taken by Director at the expiration of the 45 day review period, said phase shall be deemed approved. If any phases are authorized to be omitted then the percentage allocation will be applied to the next appropriate phase. Payments shall be made to the **CONSULTANT** in accordance with the following:

1) **PRELIMINARY PHASE "A"**: 30% of the total fee due **CONSULTANT** shall be payable no later than thirty (30) days following acceptance of the Preliminary Phase "A" work by **CITY**;

2) **PRELIMINARY PHASE "B"**: 30% of the total fee due **CONSULTANT** shall be payable no later than thirty (30) days following acceptance of the Preliminary Phase "B" work by **CITY**.

3) **FINAL DESIGN**: 20% of the total fee due **CONSULTANT** shall be payable no later than thirty (30) days following acceptance of the Final Design by **CITY**.

4) **BID PHASE & DOCUMENTS**: 5% of the total fee due **CONSULTANT** shall be payable no later than thirty (30) days following acceptance of the Bid Documents by **CITY**.

5) **CONSTRUCTION PHASE**: 15% of the total fee due **CONSULTANT** shall be payable by **CITY** in monthly installments in accordance with the percentage of construction completed as determine by Director in his sole discretion.

. For additional services, compensation shall be subject to renegotiations in accordance with section 5.5 below.

5.5 COMPENSATION FOR ADDITIONAL PROFESSIONAL SERVICES

CONSULTANT may be required to perform the additional services listed in 5.5(B) below, subject to appropriations having been made therefore, in connection with this **AGREEMENT**. Should **CONSULTANT** be directed in writing by Director to perform these services, compensation shall be paid by **CITY** to **CONSULTANT** as authorized in writing by Director, as follows:

A. The basis for compensation for additional services may be in one or more of the following forms:

- (1) Rate for testimony of principals to be negotiated.
- (2) Non-Principal - Salary cost times a multiplier of 2.5 with a stated maximum not to be exceeded.

- (3) Principal – hourly rate set forth in 5.5(D) herein with a stated maximum not to be exceeded.
- (4) Reimbursement of non-labor expenses and CITY directed subcontract expenses at invoice cost plus a 15% service charge.
- (5) Lump sum per item of work to be negotiated.
- (6) Lump sum to be negotiated.

B. Additional services include, but are not limited to the following:

- (1) Assistance to CITY as an expert witness in any litigation with third parties, arising from the development or construction of the Project including the preparation of engineering data and reports.
- (2) Preparation of plats and field notes for acquisition of property required for the construction of the project.
- (3) Site visits for ROW pin locating and/or setting for utility companies.
- (4) Preparation of applications and supporting documents for governmental grants, loans, or advances in connection with the Project.
- (5) Preparation or review of environmental assessments and impact statements.
- (6) Review and evaluation of the effect on design requirements of the Project of any assessments, statements, or documents prepared by others.
- (7) Assistance in obtaining approvals of authorities having jurisdiction over the anticipated environmental impact of the Project.
- (8) Revising previously accepted studies, reports, design documents or AGREEMENT documents when such revisions are required by changes in laws, rules, regulations, ordinances, codes, standards, design criteria or orders enacted subsequent to the preparation of such studies, reports, and documents, or are due to causes beyond CONSULTANT's control.
- (9) Preparation of feasibility studies not required in the base AGREEMENT.
- (10) Detailed quantity surveys of materials, equipment and labor during or after construction phase.
- (11) Services in making revisions to Drawings and Specifications occasioned by the acceptance of substitutions by CITY proposed by the CONTRACTOR retained to construct the designed Project; and services after the award of each CONTRACT in evaluating and determining the acceptability of an unreasonable and excessive number of substitutions proposed by CONTRACTOR.
- (12) Services after the completion of the Construction Phase, such as inspections during any guarantee period and reporting observed discrepancies under guarantee called for in any contract for the Project.
- (13) Additional copies of reports, drawings and specifications over the number specified in the base AGREEMENT.
- (14) Preparation of all documents dealing with 404 permits, highway permits, and railroad agreements.
- (15) Preparation of driveway plats.
- (16) Obtaining Right of Entry Agreements on behalf of CITY for driveway penetrations.

- (17) Detailed measurements and surveys for exploration for utilities, if required.
- (18) Preparation of record drawing after completion of work by CONTRACTOR.
- (19) Actual performance of test borings and other soil or foundation investigations and related analysis.
- (20) Tree surveys.

C. Salary Cost - Salary cost is defined as the cost of salaries of engineers, draftsmen, stenographers, surveymen, clerks, laborers, etc. for time directly chargeable to the Project, plus customary and statutory benefits including but not limited to social security contributions, unemployment, excise and payroll taxes, employment compensation insurance, retirement benefits, medical and insurance benefits, sick leave, vacation and holiday pay applicable thereto.

- a. The amount of customary and statutory benefits of all personnel other than Principals of the Consulting Firm will be considered equal to _____% of salaries or wages.

D. Principals of the Consulting Firm - For the purpose of this provision, the Principals of the Consulting Firm and their total hourly charge will be as follows, except as stated previously for testimony as expert witnesses:

<u>Principal Name</u>	<u>Hourly Charge</u>
Stephen A. Cady P.E.	110.00

5.6 MAXIMUM COMPENSATION FOR ADDITIONAL SERVICES - Total cumulative costs for the additional services listed in Section 5.5 or in Article VI below shall not exceed that amount appropriated by CITY as set forth in the ordinance authorizing this AGREEMENT, without prior authorization of the San Antonio City Council by passage of an ordinance therefore.

VI. REVISIONS TO DRAWINGS AND SPECIFICATIONS

CONSULTANT shall provide, at no expense to CITY, reasonable minor revisions to any phase, whether previously approved and accepted, as may be required to satisfy the scope of services established by this AGREEMENT. Approval of any phase constitutes CITY's acceptance of the design presented. After acceptance of each phase of the Project, any revisions, additions, or modifications made at CITY's request which constitute a change in the Scope of Services shall be subject to additional compensation to CONSULTANT as agreed upon by CITY, subject to Article V, Section 5.6 above.

VII. OWNERSHIP OF DOCUMENTS

7.1 CONSULTANT acknowledges and agrees that CITY shall own exclusively any and all information in whatsoever form and character produced and/or maintained in accordance with, pursuant to, or as a result of this AGREEMENT and shall be used as CITY desires and shall be delivered to CITY at no additional cost to CITY upon request or completion or termination of this AGREEMENT without restriction on future use.

7.2 **CONSULTANT** agrees and covenants to protect any and all proprietary rights of **CITY** in any materials provided to **CONSULTANT**. Such protection of proprietary rights by **CONSULTANT** shall include, but not be limited to, the inclusion in any copy intended for publication of copyright mark reserving all rights to **CITY**. Additionally, any materials provided to **CONSULTANT** by **CITY** shall not be released to any third party without the consent of **CITY** and shall be returned intact to **CITY** upon completion or termination of this AGREEMENT.

7.3 **CONSULTANT** hereby assigns all statutory and common law copyrights to any copyrightable work that in part or in whole was produced from this AGREEMENT to **CITY**, including all moral rights. No reports, maps, documents or other copyrightable works produced in whole or in part by this AGREEMENT shall be subject of an application for copyright by **CONSULTANT**. All reports, maps, project logos, drawings or other copyrightable work produced under this AGREEMENT shall become the property of **CITY** (excluding any instrument of services, unless otherwise specified herein). **CONSULTANT** shall, at its expense, defend all suits or proceedings instituted against **CITY** and pay any award of damages or loss resulting from an injunction, against **CITY**, insofar as the same are based on any claim that materials or work provided under this AGREEMENT constitute an infringement of any patent, trade secret, trademark, copyright or other intellectual property rights.

7.4 **CONSULTANT** may make copies of any and all documents and items for its files. **CONSULTANT** shall have no liability for changes made to or use of the drawings, specifications and other documents by other engineers, or other persons, subsequent to the completion of the Project. **CITY** shall require that any such change or other use shall be appropriately marked to reflect what was changed or modified.

7.5 Copies of documents that may be relied upon by **CITY** are limited to the printed copies (also known as hard copies) that are sealed and signed by **CONSULTANT**. Files in electronic media format of text, data, graphics, or other types that are furnished by **CONSULTANT** to **CITY** are only for convenience of **CITY**. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk.

VIII. TERMINATION AND/OR SUSPENSION OF WORK

8.1 For purposes of this AGREEMENT, termination of this AGREEMENT shall mean termination by expiration of the AGREEMENT term or earlier termination pursuant to any of the provisions hereof.

8.2 Termination Without Cause.

8.2.1 This AGREEMENT may be terminated by either party upon written notice in accordance with Article XVIII, Notice. Such notice must specify an effective date of termination, which shall be not less than thirty (30) calendar days after the date of receipt of the notice by the other Party. If the notice does not specify a date of termination, the effective date of termination shall be thirty (30) calendar days after receipt of the notice by the other Party.

8.2.2 This AGREEMENT may be terminated by CITY prior to Director giving CONSULTANT written notice to proceed pursuant to Article III, Section 3.1, should Director, at his sole discretion, determine that it is not in CITY's best interest to proceed with this AGREEMENT. Such notice shall be provided in accordance with Article XVIII, Notice and shall be effective upon delivery by CITY in accordance with Article XVIII.

8.2.3 CITY shall equitably compensate CONSULTANT in accordance with the terms of this AGREEMENT for the Services properly performed prior to the effective date of termination, following inspection and acceptance of same by CITY. CONSULTANT shall not, however, be entitled to lost or anticipated profits should CITY choose to exercise its option to terminate.

8.3 Defaults With Opportunity for Cure.

Should CONSULTANT fail to provide the required designs and/or documents required by Article III, Scope of Services by the due dates establish in Article III, Attachment B, Production Schedule, in acceptable form, as indicated in said Scope of Services as approved by Director, same shall be considered a default. However, Parties agree that no default shall be considered to occur where CONSULTANT's failure to provide the designs and/or documents is directly caused by the actions of CITY. CITY shall deliver written notice of said default specifying such matter(s) in default. CONSULTANT shall have ten (10) days after receipt of the written notice, in accordance with Article XVIII, Notice, to cure such default. If CONSULTANT fails to cure the default within such ten-day cure period, CITY shall have the right, without further notice, to terminate this AGREEMENT in whole or in part as CITY deems appropriate, and to CONTRACT with another contractor to complete the work required in this AGREEMENT. CITY shall also have the right to offset the cost of said new CONTRACT with a new contractor against CONSULTANT's future or unpaid invoice(s), subject to the duty on the part of CITY to mitigate its losses to the extent required by law.

8.4 Termination For Cause. Upon written notice, CITY may terminate this AGREEMENT upon the occurrence of one (1) or more of the following events, each of which shall constitute an Event for Cause under this AGREEMENT:

8.4.1 CONSULTANT makes or allows to be made any material misrepresentation or provides any materially misleading information in connection with this AGREEMENT, including, but not limited to, CONSULTANT's Interest Statement, or any covenant, obligation, term or condition contained in this AGREEMENT; or

8.4.2 CONSULTANT violates or fails to perform any covenant, provision, obligation, term or condition of a material nature contained in this AGREEMENT, except those events of default for which an opportunity to cure is provided herein; however, if such default as provided in Section 8.3, Defaults with Opportunity for Cure, exceeds the following, same shall be considered an Event for Cause, subject to the remedies as provided herein:

(A) **CONSULTANT** fails to cure a default listed in Section 8.3 within the time period required for cure; or

(B) **CONSULTANT** is in default as provided in Section 8.3 on more than one occasion in any consecutive twelve (12) month period.

8.4.3 **CONSULTANT** attempts to assign this AGREEMENT contrary to the terms hereof; or experiences a change in ownership interest greater than thirty percent (30%), or control of its business entity; or

8.4.4 **CONSULTANT** ceases to do business as a going concern; makes an assignment for the benefit of creditors; admits in writing its inability to pay debts as they become due; files a petition in bankruptcy or has an involuntary bankruptcy petition filed against it (except in connection with a reorganization under which the business of such party is continued and performance of all its obligations under this AGREEMENT shall continue); or if a receiver, trustee or liquidator is appointed for it or any substantial part of **CONSULTANT's** assets or properties; or

8.4.5 **CONSULTANT** fails to comply in any respect with the insurance requirements set forth in this AGREEMENT; or

8.4.6 **CONSULTANT** violates any rule, regulation or law by which **CONSULTANT** is bound or shall be bound while and in performing the services required under this AGREEMENT.

8.5 **Termination By Law.** If any state or federal law or regulation is enacted or promulgated which prohibits the performance of any of the duties herein, or, if any law is interpreted to prohibit such performance, this AGREEMENT shall automatically terminate as of the effective date of such prohibition.

8.6 **Effect of Termination.** Notwithstanding Section 8.3, Defaults with Opportunity for Cure, upon a decision to terminate by **CITY**, written notice of such shall be immediately provided to **CONSULTANT** specifying the effective date of termination, notice of which shall be given in accordance with Article XVIII, Notice.

8.6.1 Regardless of how this AGREEMENT is terminated, and subject to 8.6.2, **CONSULTANT** shall affect an orderly transfer to **CITY** or to such person(s) or firm(s) as the **CITY** may designate, at no additional cost to **CITY**, all completed or partially completed specifications and reproducible of all completed or partially completed designs and plans prepared pursuant to this AGREEMENT, documents, papers, records, charts, reports, and any other materials or information produced as a result of or pertaining to the services rendered by **CONSULTANT**, or provided to **CONSULTANT**, hereunder in accordance with Article VII, Ownership of Documents. Any record transfer shall be completed within thirty (30) calendar days of the termination date and shall be completed at **CONSULTANT's** sole cost and expense. Payment of compensation due or to become due to **CONSULTANT** is conditioned upon delivery of all such documents.

8.6.2 Within forty-five (45) calendar days of the effective date of completion, or termination or expiration of this AGREEMENT, **CONSULTANT** shall submit to **CITY** its claims, in detail, for the monies owed by **CITY** for services performed under this AGREEMENT through the effective date of termination. Failure by **CONSULTANT** to submit its claims within said forty-five (45) calendar days shall negate any liability on the part of **CITY** and constitute a **Waiver** by **CONSULTANT** of any and all right or claims to collect moneys that **CONSULTANT** may rightfully be otherwise entitled to for services performed pursuant to this AGREEMENT.

8.6.3 Upon the effective date of expiration or termination of this AGREEMENT, **CONSULTANT** shall cease all operations of work being performed by **CONSULTANT** or any of its subcontractors pursuant to this AGREEMENT.

8.6.4 **Termination not sole remedy.** In no event shall **CITY's** action of terminating this AGREEMENT, whether for cause or otherwise, be deemed an election of **CITY's** remedies, nor shall such termination limit, in any way, at law or at equity, **CITY's** right to seek damages from or otherwise pursue **CONSULTANT** for any default hereunder or other action.

8.7 Right of **CITY** to Suspend Giving Rise to Right of **CONSULTANT** to Terminate.

8.7.1 **CITY** may suspend this AGREEMENT at the end of any phase for the convenience of **CITY** by issuing a signed, written notice of suspension (citing this paragraph) as provided in Article XVIII, Notice, which shall outline the reasons for the suspension and the duration of the suspension. However, it is understood and agreed by the Parties that the total number of days of suspension as reflected in said notice is not guaranteed, and in fact, may be shorter or longer. Such suspension shall take effect upon the date set forth in the notice, or if no date is set forth, immediately upon **CONSULTANT's** receipt of said notice.

8.7.2 **CONSULTANT** may terminate this AGREEMENT in the event such suspension exceeds one hundred and twenty (120) calendar days. **CONSULTANT** may exercise this right to terminate by issuing a signed, written notice of termination, in accordance with Article XVIII, Notice, (citing this paragraph) to **CITY** after the expiration of one hundred and twenty (120) calendar days from the effective date of the suspension. Termination pursuant to this paragraph shall become effective immediately upon receipt of said written notice by **CITY**.

8.8 Procedures for **CONSULTANT** to follow upon Receipt of Notice of Suspension.

8.8.1 Upon receipt of written notice of suspension, **CONSULTANT** shall, unless the notice otherwise directs, immediately discontinue all services in connection with the performance of this agreement and cancel all existing orders and contracts.

- 8.8.2 **CONSULTANT** shall prepare a statement showing in detail the services performed under this agreement prior to the effective date of suspension.
- 8.8.3 All completed or partially completed designs, plans and specifications prepared under this agreement prior to the effective date of suspension shall be prepared for possible delivery to **CITY** but shall be retained by **CONSULTANT** until such time as **CONSULTANT** may exercise the right to terminate.
- 8.8.4 In the event that **CONSULTANT** exercises the right to terminate after the suspension date as provided by this Article, within thirty (30) calendar days after receipt by **CITY** of **CONSULTANT**'s notice of termination, **CONSULTANT** shall submit the above referenced statement showing in detail the services performed under this agreement prior to the effective date of suspension. Nothing in this section 8.8.4 shall prevent **CONSULTANT** from submitting invoices for partial payments for work performed prior to the termination date as provided by Article V, Compensation.
- 8.8.5 Additionally, any documents prepared in association with this AGREEMENT shall be delivered to **CITY** by **CONSULTANT**, as a pre-condition to final payment, within thirty (30) calendar days after receipt by **CITY** of **CONSULTANT**'s notice of termination.
- 8.8.6 Upon the above conditions being met, **CITY** shall pay **CONSULTANT** that proportion of the prescribed fee which the services actually performed under this agreement bear to the total services called for under this agreement, less previous payments of the fee.
- 8.8.7 **CITY**, as a public entity, has a duty to document the expenditure of public funds. **CONSULTANT** acknowledges this duty on the part of **CITY**. To this end, **CONSULTANT** understands that failure of **CONSULTANT** to substantially comply with the submittal of the statements and documents as required herein shall constitute a waiver by **CONSULTANT** of any portion of the fee for which **CONSULTANT** did not supply such necessary statements and/or documents.

IX. INSURANCE REQUIREMENTS

9.1 Prior to the commencement of any work under this AGREEMENT, **CONSULTANT** shall furnish an original completed Certificate of Insurance to **CITY**'s Public Works Department and **CITY**'s Risk Management Division, and shall be clearly labeled **"FRIEDRICH PARK & EISENHOWER PARK WATER SERVICE CONNECTION"**, which shall be completed by an agent authorized to bind the named underwriter(s) and their company to the coverage, limits, and termination provisions shown thereon, containing all required information referenced or indicated thereon. The original certificate must have the agent's original signature, including the signer's company affiliation, title and phone number, and be mailed directly from the agent to **CITY**. **CITY** shall have no duty to pay or perform under this AGREEMENT until such certificate shall have been delivered to **CITY**'s Public Works Department and **CITY**'s Risk Management Office, and no officer or employee shall have authority to waive this requirement.

9.2 **CONSULTANT's** financial integrity is of interest to **CITY**, therefore, subject to **CONSULTANT's** right to maintain reasonable deductibles in such amounts as are approved by **CITY**, **CONSULTANT** shall obtain and maintain in full force and effect for the duration of this **AGREEMENT**, and any extension hereof, at **CONSULTANT's** sole expense, insurance coverage written on an occurrence basis, except for professional liability, by companies authorized, approved or admitted to do business in the State of Texas and rated A- or better by A.M. Best Company and/or otherwise acceptable to **CITY**, in the following types and amounts:

<u>TYPE</u>	<u>MINIMUM AMOUNTS</u>
1. Workers' Compensation	Statutory
2. Employers' Liability	\$500,000/\$500,000/\$500,000
3. Commercial General (public) Liability Insurance to include coverage for the following: a. Premises/Operations b. Independent Contractors c. Products/completed operations d. Personal Injury e. Contractual liability	<u>Combined Single Limit for Bodily Injury and Property Damage</u> of \$1,000,000 per; General Aggregate limit of \$2,000,000 occurrence or its equivalent in umbrella or excess liability coverage
4. Business Automobile Liability a. Owned/Leased Vehicles b. Non-Owned Vehicles c. Hired Vehicles	Combined Single Limit for Bodily Injury and Property Damage of \$1,000,000 per occurrence
5. Professional Liability (Claims made form)	\$1,000,000 per claim to pay on behalf of the insured all sums which the insured shall become legally obligated to pay as damages by reason of any negligent act, malpractice, error or omission in professional services.

9.3 **CITY** shall be entitled, upon request and without expense, to receive copies of the policies and all endorsements thereto as they apply to the limits required by **CITY**. **CONSULTANT** shall be required to comply with any such requests and shall submit a copy of the replacement certificate of insurance to **CITY** at the address provided in Article IX herein within 10 days of the requested change.

9.4 **CONSULTANT** agrees that with respect to the above required insurance, all insurance contracts and Certificate(s) of Insurance will contain the following required provisions:

- Name **CITY** and its officers, employees, and elected representatives as additional insureds as respects operations and activities of, or on behalf of, the named insured performed under contract with **CITY**, with the exception of the workers' compensation and professional liability policies;
- Provide for an endorsement that the "other insurance" clause shall not apply to the City of San Antonio where **CITY** is an additional insured shown on the policy;
- Workers' compensation and employers' liability policy will provide a waiver of subrogation in favor of **CITY**.

9.5 When there is a cancellation, non-renewal or material change in coverage which is not made pursuant to a request by **CITY**, **CONSULTANT** shall notify **CITY** of such and shall give such notices not less than thirty (30) days prior to the change, if **CONSULTANT** knows of said change in advance, or ten (10) days notice after the change, if the **CONSULTANT** did not know of the change in advance. In the event of cancellation or non-renewal, such notice must be accompanied by a replacement Certificate of Insurance. All notices under this Article shall be given to **CITY** at the following addresses:

City of San Antonio	City of San Antonio
Public Works Department -- Capital Programs	Risk Management
P.O. Box 839966	111 Soledad, Suite 1000
San Antonio, Texas 78283-3966	San Antonio, Texas 78205

9.6 If **CONSULTANT** fails to maintain the aforementioned insurance, or fails to secure and maintain the aforementioned endorsements, **CITY** may obtain such insurance, and deduct and retain the amount of the premiums for such insurance from any sums due under the AGREEMENT; however, procuring of said insurance by **CITY** is an alternative to other remedies **CITY** may have, and is not the exclusive remedy for failure of **CONSULTANT** to maintain said insurance or secure such endorsement. In addition to any other remedies **CITY** may have upon **CONSULTANT**'s failure to provide and maintain any insurance or policy endorsements to the extent and within the time herein required, **CITY** shall have the right to order **CONSULTANT** to stop work hereunder, and/or withhold any payment(s) which become due to **CONSULTANT** hereunder until **CONSULTANT** demonstrates compliance with the requirements hereof. A stop work order given to **CONSULTANT** by **CITY** in accordance with this Article shall not constitute a Suspension of Work pursuant to Article VIII, Section 8.7.

9.7 Nothing herein contained shall be construed as limiting in any way the extent to which **CONSULTANT** may be held responsible for payments of damages to persons or property resulting from **CONSULTANT**'s or its subcontractors' performance of the work covered under this AGREEMENT.

9.8 It is agreed that **CONSULTANT's** insurance shall be deemed primary with respect to any insurance or self insurance carried by **CITY** of San Antonio for liability arising out of operations under this **AGREEMENT**.

X. INDEMNIFICATION

10.1 CONSULTANT, whose work product is the subject of this **AGREEMENT** for engineering services, agrees to **INDEMNIFY AND HOLD CITY, ITS ELECTED OFFICIALS, OFFICERS AND EMPLOYEES HARMLESS** against any and all claims, lawsuits, judgments, cost, liens, losses, expenses, fees (including attorney's fees and costs of defense), proceedings, actions, demands, causes of action, liability and suits of any kind and nature, including but not limited to, personal injury (including death), property damage, or other harm for which recovery of damages is sought that may **ARISE OUT OF OR BE OCCASIONED OR CAUSED BY CONSULTANT'S NEGLIGENT ACT, ERROR, OR OMISSION OF CONSULTANT, ANY AGENT, OFFICER, DIRECTOR, REPRESENTATIVE, EMPLOYEE, CONSULTANT OR SUBCONSULTANT OF CONSULTANT, AND THEIR RESPECTIVE OFFICERS, AGENTS, EMPLOYEES, DIRECTORS AND REPRESENTATIVES** while in the exercise of performance of the rights or duties under this **AGREEMENT**. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of **CITY**, its officers or employees, in instances where such negligence causes personal injury, death, or property damage. **IN THE EVENT CONSULTANT AND CITY ARE FOUND JOINTLY LIABLE BY A COURT OF COMPETENT JURISDICTION, LIABILITY SHALL BE APPORTIONED COMPARATIVELY IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, WITHOUT, HOWEVER, WAIVING ANY GOVERNMENTAL IMMUNITY AVAILABLE TO CITY UNDER TEXAS LAW AND WITHOUT WAIVING ANY DEFENSES OF THE PARTIES UNDER TEXAS LAW.**

10.2 CONSULTANT shall advise **CITY** in writing within 24 hours of any claim or demand against **CITY** or **CONSULTANT** known to **CONSULTANT** related to or arising out of **CONSULTANT's** activities under this **AGREEMENT**.

10.3 The provisions of this section are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

XI. ENGINEER'S LIABILITY

11.1 Acceptance of the final plans by **CITY** shall not constitute nor be deemed a release of the responsibility and liability of **CONSULTANT**, its employees, associates, agents or subcontractors for the accuracy and competency of their designs, working drawings, specifications or other documents and work; nor shall such acceptance be deemed an assumption of responsibility or liability by **CITY** for any defect in the designs, working drawings, specifications or other documents and work prepared by said **CONSULTANT**, its employees, subcontractors, and agents.

11.2 Standard of Care: Services provided by CONSULTANT under this AGREEMENT will be performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

XII. LICENSING

CONSULTANT shall utilize qualified personnel to complete the work to be performed under this AGREEMENT, and all work performed under this AGREEMENT is to be executed under the direct supervision of a licensed professional engineer as required by state law. Persons retained to perform work pursuant to this AGREEMENT shall be the employees or subcontractors of CONSULTANT. CONSULTANT or its subcontractors shall perform all necessary work.

XIII. ASSIGNMENT OF RIGHTS OR DUTIES

13.1 By entering into this AGREEMENT, CITY has approved the use of any subcontractors identified in CONSULTANT's Interest Statement. No further approval shall be needed for CONSULTANT to use such subcontractors as are identified in CONSULTANT's Interest Statement.

13.2 Except as otherwise required herein, CONSULTANT may not sell, assign, pledge, transfer or convey any interest in this AGREEMENT nor delegate the performance of any duties hereunder, by transfer, by subcontracting or any other means, without the consent of CITY. Actual engineering services, those required by law to be performed by a licensed engineer, or services to be performed which, by law, require the supervision and approval of a licensed engineer, may only be subcontracted upon the written approval of the San Antonio City Council, by approval and passage of an ordinance therefore. Any other services to be performed under this AGREEMENT may be subcontracted upon the written approval of Director.

13.3 As a condition of consent, if same is given, CONSULTANT shall remain liable for completion of the services outlined in this AGREEMENT in the event of default by the successor consultant, assignee, transferee or subcontractor. Any references in this AGREEMENT to an assignee, transferee, or subcontractor, indicate only such an entity as has been approved by CITY in accordance with this Article.

13.4 Any attempt to assign, transfer, pledge, convey or otherwise dispose of any part of, or all of its right, title, interest or duties to or under this AGREEMENT, without said written approval, shall be void ab initio and shall confer no rights upon any third person. Should CONSULTANT assign, transfer, convey or otherwise dispose of any part of, or all of its right, title or interest or duties to or under this AGREEMENT, CITY may, at its option, terminate this AGREEMENT in accordance with Article VIII, Termination, and all rights, titles and interest of CONSULTANT shall thereupon cease and terminate, notwithstanding any other remedy available to CITY under this AGREEMENT. The violation of this provision by CONSULTANT shall in no event release CONSULTANT from any obligation under the terms of this AGREEMENT, nor shall it relieve or release CONSULTANT from the payment of any damages to CITY, which CITY sustains as a result of such violation.

13.5 **CONSULTANT** agrees to notify Director of any changes in ownership interest greater than thirty percent (30%), or control of its business entity not less than sixty (60) days in advance of the effective date of such change. Notwithstanding any other remedies that are available to **CITY** under this AGREEMENT, any such change of ownership interest or control of its business entity may be grounds for termination of this AGREEMENT in accordance with Article VIII, Termination.

XIV. INDEPENDENT CONTRACTOR

14.1 **CONSULTANT** covenants and agrees that (s)he is an independent contractor and not an officer, agent, servant, or employee of **CITY**; that **CONSULTANT** shall have exclusive control of and exclusive right to control the details of the work performed hereunder and all persons performing same, and shall be responsible for the acts and omissions of its officers, agents, employees, contractors, and subcontractors; that the doctrine of respondeat superior shall not apply as between **CITY** and **CONSULTANT**, its officers, agents, employees, contractors, and subcontractors, and nothing herein shall be construed as creating a partnership or joint enterprise between **CITY** and **CONSULTANT**.

14.2 No Third Party Beneficiaries - For purposes of this AGREEMENT, including its intended operation and effect, the Parties specifically agree and CONTRACT that: (1) this AGREEMENT only affects matters/disputes between the Parties to this AGREEMENT, and is in no way intended by the Parties to benefit or otherwise affect any third person or entity, notwithstanding the fact that such third person or entities may be in a contractual relationship with **CITY** or **CONSULTANT** or both, or that such third parties may benefit incidentally by this AGREEMENT; and (2) the terms of this AGREEMENT are not intended to release, either by contract or operation of law, any third person or entity from obligations owing by them to either **CITY** or **CONSULTANT**.

XV. EQUAL EMPLOYMENT OPPORTUNITY

CONSULTANT shall not engage in employment practices which have the effect of discriminating against any employee or applicant for employment, and, will take affirmative steps to ensure that applicants are employed and employees are treated during employment without regard to their race, color, religion, national origin, sex, age, handicap, or political belief or affiliation. Specifically, **CONSULTANT** agrees to abide by all applicable provisions of San Antonio City ordinance number 69403 on file in the City Clerk's office.

XVI. SBEDA REQUIREMENTS

16.1 **CONSULTANT** hereby acknowledges that it is the policy of the **CITY** of San Antonio to assist in increasing the competitiveness and qualifications of small ("SBE"), women ("WBE"), handicapped and minority-owned business ("MBE") enterprises in order to afford greater opportunities for obtaining and participating in contracts, related subcontracts, and leases and concessions awarded by **CITY**. This policy and its implementation is known as the Small Business Economic Development Advocacy Program (hereinafter referred to as "SBEDA Program").

16.2 **CONSULTANT** agrees to implement the plan submitted in **CONSULTANT**'s response to **CITY**'s Request for Interest Statement under the SBEDA Program for Small, Minority and Women-owned Business Participation in this **AGREEMENT**, thereby meeting the percentages for participation of those groups as submitted therein. **CONSULTANT** agrees to be in full compliance with this article by meeting the percentages listed in **CONSULTANT**'s Interest Statement no later than 60 days from the date of execution of this **AGREEMENT**, and to remain in compliance throughout the term of this **AGREEMENT**. **CONSULTANT** further agrees to continue to make every effort to utilize businesses for subcontracting and supplying during the duration of this **AGREEMENT**, as may be approved pursuant to this **AGREEMENT**, that will meet the percentages submitted in **CONSULTANT**'s Interest Statement. Changes in contract value by changes in work orders, **AGREEMENT** amendments, or use of contract alternatives, which result in an increase in the value of the **AGREEMENT** by 10% or greater require the **CONSULTANT** to increase its use of business enterprises described in this section, if such is necessary to maintain the same percentages as exist in **CONSULTANT**'s Interest Statement. However, the delegation of any duties hereunder by any means must be approved by **CITY** as stated herein.

16.3 **CONSULTANT** shall maintain records showing all contracts, subcontracts, and supplier awards to SBE/MBE/WBE's. **CONSULTANT** shall submit annual reports to **CITY**'s Department of Economic Development, identifying the above activity and other efforts at increasing SBE/MBE/WBE participation in the **AGREEMENT**. Further, such records shall be open to inspection by **CITY** or its authorized agent at all reasonable times. Should **CITY** find that **CONSULTANT** is not in compliance with this article, **CITY** shall give notice of non-compliance to **CONSULTANT**. **CONSULTANT** shall have 30 calendar days to correct any and all deficiencies in compliance with this article. Failure to comply with this article and/or to correct any deficiencies within the time allotted shall be considered a material breach of this **AGREEMENT** and may subject **CONSULTANT** to any of the penalties listed in **CITY** of San Antonio Ordinance No. 77758, at **CITY**'s option. Further, such failure may be considered a default for which **CITY** may terminate this **AGREEMENT** in accordance with Article VIII, Termination.

16.4 **CONSULTANT** shall appoint a representative of its company to administer and coordinate its efforts to carry out these requirements.

16.5 In all events, **CONSULTANT** shall comply with the **CITY**'s Small, Business Economic Development Advocacy Program, contained in San Antonio Ordinance No. 77758, and the amendments thereto. Said ordinances are incorporated herein for all purposes, as if fully set forth herein.

16.6 It is **CITY**'s understanding, and this **AGREEMENT** is made in reliance thereon, that **CONSULTANT**, in the performance of services required hereunder, will use the subcontractor(s) listed in its response to **CITY**'s Request for Interest Statement.

16.7 Any work or services subcontracted by **CONSULTANT** shall be by written contract, and unless specific waiver is granted in writing by **CITY**, shall be subject by its terms to each and every provision of this AGREEMENT. Compliance by subcontractor with the provisions of said contract shall be the responsibility of **CONSULTANT**.

16.8 **CITY** shall in no event be obligated to any third party, including any subcontractor of **CONSULTANT**, for performance or services or payment of fees.

XVII. ESTIMATES OF COST

Because **CONSULTANT** has no control over the cost of construction labor, materials or equipment or over the construction contractor's methods of determining prices, or over competitive bidding or market conditions, **CONSULTANT's** opinions of probable construction cost provided herein shall be made on the basis of **CONSULTANT's** experience and qualifications and represent **CONSULTANT's** best judgment as a design professional familiar with the construction industry. **CONSULTANT** cannot and does not guarantee that proposals, bids or the construction cost will not vary from opinions of probable cost prepared by **CONSULTANT**.

XVIII. NOTICES

Unless otherwise expressly provided elsewhere in this AGREEMENT, any election, notice or communication required or permitted to be given under this AGREEMENT shall be in writing and deemed to have been duly given if and when delivered personally (with receipt acknowledged), or on receipt after mailing the same by certified mail, return receipt request with proper postage prepaid, or three (3) days after mailing the same by first class U.S. mail, postage prepaid (in accordance with the "Mailbox Rule"), or when sent by a national commercial courier service (such as Federal Express or DHL Worldwide Express) for expedited delivery to be confirmed in writing by such courier.

If intended for CITY, to:

CITY of San Antonio
Public Works Department - Capital Programs
Attn: William E. Krause, Capital Programs Mgr.
P.O. Box 839966
San Antonio, Texas 78283-3966

If intended for CONSULTANT, to:

San Antonio Design Group, Inc.
1716 S. San Marcos St. #202
San Antonio, Texas 78255
J.A. Saucedo Jr.
President

XIX. INTEREST IN CITY CONTRACTS PROHIBITED

19.1 **CONSULTANT** acknowledges that it is informed that the Charter of the City of San Antonio and its Ethics Code prohibit a City officer or employee, as those terms are defined in the Ethics Code, from having a financial interest in any contract with **CITY** or any **CITY** agency such as **CITY** owned utilities. An officer or employee has a "prohibited financial interest" in a contract with **CITY** or in the sale to **CITY** of land, materials, supplies or service, if any of the following individual(s) or entities is a party to the contract or sale: a **CITY** officer or employee;

his parent, child or spouse; a business entity in which the officer or employee, or his parent, child or spouse owns ten (10) percent or more of the voting stock or shares of the business entity, or ten (10) percent or more of the fair market value of the business entity; a business entity in which any individual or entity above listed is a subcontractor on a CITY contract, a partner or a parent or subsidiary business entity.

19.2 **CONSULTANT** warrants and certifies, and this AGREEMENT is made in reliance thereon, that it, its officers, employees and agents are neither officers nor employees of CITY. **CONSULTANT** further warrants and certifies that it has tendered to CITY a Discretionary Contracts Disclosure Statement in compliance with CITY's Ethics Code.

XX. SOLICITATION

CONSULTANT warrants and represents that he has not employed or retained any company or person, other than a bona fide employee working solely for **CONSULTANT**, to solicit or secure this AGREEMENT, nor paid or agreed to pay any company or person, other than a bona fide employee working solely for **CONSULTANT**, any fee, commission, percentage, brokerage fee, gift, or any other consideration, contingent upon or resulting from the award or making of this AGREEMENT. This representation constitutes a substantial part of the consideration for the making of this AGREEMENT.

XXI. CONTRACT CONSTRUCTION

All parties have participated fully in the review and revision of this AGREEMENT. Any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply to the interpretation of this AGREEMENT.

XXII. FAMILIARITY WITH LAW AND CONTRACT TERMS

CONSULTANT represents that, prior to signing this AGREEMENT, **CONSULTANT** has become thoroughly acquainted with all matters relating to the performance of this AGREEMENT, all applicable laws, and all of the terms and conditions of this AGREEMENT.

XXIII. APPLICABLE LAW

This AGREEMENT shall be governed by and construed in accordance with the laws and court decisions of the State of Texas.

XXIV. VENUE

The obligations of the parties to this AGREEMENT shall be performable in San Antonio, Bexar County, Texas, and if legal action, such as civil litigation, is necessary in connection therewith, exclusive venue shall lie in Bexar County, Texas.

XXV. SEVERABILITY

In the event any one or more paragraphs or portions of this AGREEMENT are held invalid or unenforceable, such shall not affect, impair or invalidate the remaining portions of this AGREEMENT, but such shall be confined to the specific section, sentences, clauses or portions of this AGREEMENT held invalid or unenforceable.

XVI. FORCE MAJEURE

In the event that performance by either party of any of its' obligations or undertakings hereunder shall be interrupted or delayed by any occurrence and not occasioned by the conduct of either party hereto, whether such occurrence be an act of God or the common enemy or the result of war, riot, civil commotion, sovereign conduct, or the act or conduct of any person or persons not party or privy hereto, then such party shall be excused from performance for a period of time as is reasonably necessary after such occurrence to remedy the effects thereof, and each party shall bear the cost of any expense it may incur due to the occurrence.

XVII. SUCCESSORS

This AGREEMENT shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, executors, administrators, successors and, except as otherwise provided in this AGREEMENT, their assigns.

XXVIII. NON-WAIVER OF PERFORMANCE

28.1 A waiver by either Party of a breach of any of the terms, conditions, covenants or guarantees of this AGREEMENT shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either Party to insist in any one or more cases upon the strict performance of any of the covenants of this AGREEMENT, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. In fact, no waiver, change, modification or discharge by either party hereto of any provision of this AGREEMENT shall be deemed to have been made or shall be effective unless expressed in writing and signed by the party to be charged. In case of CITY, such changes must be approved by the San Antonio City Council.

28.2 No act or omission by a Party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that Party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

XXIX. PARAGRAPH HEADINGS

The headings of this AGREEMENT are for the convenience of reference only and shall not affect in any manner any of the terms and conditions hereof.

XXX. LEGAL AUTHORITY

The signer of this AGREEMENT for CITY and CONSULTANT each represents, warrants, assures and guarantees that he has full legal authority to execute this AGREEMENT on behalf of CITY and CONSULTANT respectively, and to bind CITY and CONSULTANT to all of the terms, conditions, provisions and obligations herein contained.

XXXI. INCORPORATION OF ATTACHMENTS

CONSULTANT understands and agrees that all attachments, including appendices thereto, referred to in this AGREEMENT are intended to be and hereby are incorporated herein and specifically made a part of this AGREEMENT for all purposes. Said attachments are as follows:

ATTACHMENT "A" (Scope of Services)

ATTACHMENT "B" – (Production Schedule)

ATTACHMENT "C" – (CONSULTANT's Fee Proposal and SBEDA Participation
Statement from CONSULTANT's Interest Statement)

In the event of a conflict or inconsistency between any attachment and the terms of this AGREEMENT, the terms of this AGREEMENT shall govern and prevail. In the event of a conflict or inconsistency between Attachment "A" and Attachments "B" and/or Attachment "C", the terms of Attachment "A" shall control over the terms of Attachment "B" and Attachment "C". In the event of a conflict or inconsistency between Attachment "B" and Attachment "C", the terms of Attachment "B" shall control over the terms of Attachment "C".

XXXII. ENTIRE AGREEMENT

32.1 This AGREEMENT, together with its authorizing ordinance and Attachments, as listed in Article XXXI, Incorporation of Attachments, embodies the complete AGREEMENT of the Parties hereto, superseding all oral or written previous and contemporary agreements between the Parties relating to matters herein; and except as otherwise provided herein, cannot be modified without written consent of the parties and approved by ordinance passed by the San Antonio City Council.

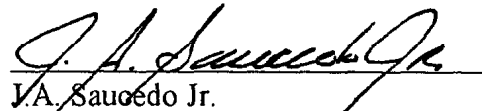
32.2 It is understood and agreed by the Parties hereto that changes in local, state or federal rules, regulations or laws applicable hereto may occur during the term of this AGREEMENT and that any such changes shall be automatically incorporated into this AGREEMENT without written amendment hereto, and shall become a part hereof as of the effective date of the rule, regulation or law.

EXECUTED ON THIS, THE _____ DAY OF _____, _____.

CITY OF SAN ANTONIO

CONSULTANT

CITY MANAGER


J.A. Saucedo Jr.
President

APPROVED AS TO FORM:

CITY ATTORNEY

CITY CLERK

DATE

ATTACHMENT "A"

SCOPE OF SERVICES

A. The Preliminary Phase:

CONSULTANT SHALL:

1. Phase "A"

- a. Meet with CITY officials to determine the scope of the proposed project.
- b. Contact the Right-of-Way Division CITY if any easements, fee title right-of-way, or fee title land acquisition is to be involved in the project. Confer with CITY's Right of Way division on possible alternate routes or sites, if any, that may result in cost savings. CONSULTANT shall advise CITY on Right-of-Way and land cost alternatives as weighed against any increased construction costs entailed as a part of this Phase.
- c. Make personal contact with each of the Utility Company Coordinators whose utility services may be affected by this Project and request the most current records showing the location of facilities. CONSULTANT shall identify particular problems and conflicts arising from such facilities affecting the Project and shall make recommendations with respect thereto. In accordance with an Agreement existing between CITY and City Public Service, documents will be furnished by the City Public Service Utility Coordinator at no cost to CONSULTANT upon request by CONSULTANT and CONSULTANT shall attach a copy of documentation to the Preliminary Phase "A" Report. CITY will assist CONSULTANT in obtaining data and services requested from the Utility Companies by CONSULTANT after diligent effort has been made by CONSULTANT to no avail.
- d. Perform any field surveys, required to establish existing right-of-way or easement boundaries (but not right-of-way acquisition surveys), and, where necessary, site topography required to collect information needed in the design of the Project, establishing or locating at least two bench marks set to U.S. Coast and Geodetic Survey Datum within the job site in accordance with sound engineering practices. Detailed measurements and surveys for exploration for utilities, if required, will be additional services.
- e. Meet with CITY's Drainage Engineer to review existing preliminary drainage studies that include the project area with consideration for the relative location of the project within the watershed as well as upstream and downstream drainage facilities. Study the existing drainage conditions for the project. Determine drainage area impacting the project limits, and prepare preliminary calculation of drainage flows within the project limits. Review, study and report adequacy of existing drainage systems and drainage design alternatives for the project including street drainage, storm sewer system, detention and/or combinations thereof. Provide schematic presentation of proposed design solutions to address all drainage issues within the project limits and associated upstream and downstream of the project. Include these solutions in the Phase "A" report for determining project feasibility.
- f. Develop a program for the project including schematic layouts and drawings in sufficient detail to determine Project feasibility and give opinions of probable construction costs of the various components or portions of the Project. Include a statement addressing any anticipated right-of-way needs. After determining that sufficient data and information has been compiled, and to the extent that a recommendation can be made, prepare a report of findings and recommendations and furnish CITY with fourteen (14) copies of said report. Upon review of said report and after approval of same, CITY will furnish to CONSULTANT, in writing, authority to proceed with the completion of Preliminary Phase "B."

2. Phase "B"

- a. Prepare a preliminary plan and supporting documents of the proposed project, including plan and profile, in sufficient detail to indicate clearly the problems involved, including trees of 6" caliper or greater, if tree survey has been authorized as an additional service, and approximate locations of the existing utilities within the project site or right-of-way, and anticipate the design, if appropriate, of solutions to minimize conflicts.
- b. Prepare a complete hydrologic and hydraulic design report for the drainage system. This report must include computer models and hydraulic and energy lines plotted on a set of drawing profiles, if applicable.
- c. Show on the preliminary plan existing topographical features and improvements within and outside the right-of-way, necessary for the design of the project. Show any fence or structural encroachments; identify whether or not removal is necessary for construction and/or utility relocation, and show house numbers of each residence on the plans.
- d. When applicable, show adequate existing property lines elevations, proposed top of curb elevations, proposed top of channel elevations and all adequate proposed flow line elevations on the profiles.
- e. Under separate cover, submit one set of pavement design calculations to support the proposed roadway design. Plot and submit the energy grade lines and hydraulic grade lines on one set of prints for review by CITY's Drainage Engineer.
- f. Where applicable, under separate cover, provide supporting documents for design of corrugated pipe to support the proposed design loads.
- g. When both drainage and street reconstruction are included in the project, show the proposed drainage facilities and street improvements on the same plan and profile sheets with the proposed or existing sanitary sewer inverts shown in dashed lines on the profile. Proposed sanitary sewers must be shown on separate plan and profile sheets including proposed top of curb elevations, channel flow lines elevation, drainage crossings, wherever applicable, and storm sewers dashed double line thereon.
- h. Where no drainage improvements are required, show the street and sanitary improvements on the same plan and profile sheets.
- i. Unless directed otherwise by Director, the CONTRACT drawings shall include, but not be limited to, plan and profile sheets with the plan portion at a scale of 1" = 20'-0" horizontally and 1" = 5'-0" vertically. All drawings shall be submitted on standard 22" by 34" sheets, untrimmed, trim line to trim line.
- j. Furnish an opinion of probable construction cost based on the plan and supporting documents of the proposed construction, excluding land costs. The opinion of probable construction cost will be based on the latest unit prices provided by CITY for similar work, and when approved by CITY, include adjustments to reflect the level of complexity of constructing the project.
- k. Plan and coordinate Consultant services for foundation investigations, soil borings, and other tests required for design of the project. Furnish locations and elevations of the borings.
- l. Furnish CITY with fourteen (14) copies of the Preliminary Phase plans and supporting documents including any and all of those mentioned immediately above. Upon review of said plan and supporting documents and after approval of same, CITY may furnish to CONSULTANT, in writing, approval of such plan, opinion of probable construction cost and authority to proceed with the Design Phase of the Project.

B. Design Phase:

The Consultant Shall:

1. Attend not more than three (3) citizen meetings, and, as deemed necessary by Director in his sole discretion, meet with City officials.
2. Furnish data required by CITY for the development of any applications or supporting documents for State or Federal Government permits, grants, or planning advances, provided that such data shall not extend beyond that actually developed in the performance of other provisions of this CONTRACT.
3. Conduct preliminary investigation of the need for a 404 Permit. As additional service, if necessary, assist CITY by preparing documents as required.
4. Prepare documentation and application forms for the obtaining of highway permits and railroad agreements, and furnish to CITY. Include approved permits or forms and agreements in specifications.
5. Perform additional field surveys, including, but not limited to one-time staking of design center-line control at each intersection and points of inflection, but not right-of-way acquisition surveys. Site topography required to collect information needed in the design of the Project.
6. Prepare detailed contract drawings, specifications, instruction to bidders, general provisions, proposal and other documents necessary for CITY to advertise for bids for construction, all based on guides furnished CONSULTANT by CITY after authorization has been received from Director to proceed with the final plans.
 - a. Street and drainage cross sections shall be included for every fifty foot station (plus any intermediate stations if field conditions so dictate) at a scale of 1" = 10'-0" horizontally and 1"=5'0' vertically unless otherwise directed by Director. These designs shall combine the application of sound engineering principles with a high degree of economy. Design standards of other agencies, when approved by CITY shall be used when so directed by Director.
 - b. Detailed specifications shall be developed using CITY's standard Specifications for Public works Construction, and other necessary special specifications.
7. Provide fifteen (15) sets of final plans to CITY's Engineering Division of the Public Works Department for review and comments. If the plans as submitted by CONSULTANT for final review are deemed by Director to be incomplete, CONSULTANT shall make the corrections as specified and resubmit fifteen (15) sets of revised sheets only for this review. CONSULTANT shall bear the expense of the additional fifteen (15) sets of revised sheets required for this review.

C. Bid Phase:

The Consultant Shall:

1. A sample copy of standard general provisions, instructions to bidders, and applicable prevailing wage rates will be furnished to CONSULTANT by CITY for incorporation in the specifications for the proposed project.
2. Prepare and provide one complete set of the bid package, including plans, specifications, instructions to bidders, general provisions, proposal, cost estimates, and other documents necessary for CITY to advertise for bids for construction, all based on guides furnished to CONSULTANT by CITY after authorization has been received from Director to proceed with the final plans. The cost estimate shall include Public Works costs, SAWS Water and Sanitary Sewer costs, and CPS costs, if applicable.

3. Furnish not more than twenty (20) sets of bidding documents, including those specified in this paragraph.
 - a. Upon notification by CITY, CONSULTANT shall provide and submit, prior to a bid opening, ten (10) sets of plans and specifications to CITY's Plans & Records Section, Engineering Division, Public Works Department.
 - b. After the bid opening, CONSULTANT shall provide all remaining sets of plans and specifications to CITY's Capital Programs Division office, Public works Department.
4. In consultation with CITY, set a charge for plans and specifications (bid documents) based on the cost of printing, materials and handling, said charge to be assessed all bidders and vendors.

Upon the direction of CITY, issue Plans and Specifications for bidding purposes, receive and record plan depositions, issue and deliver all addenda required to perfect the bid documents, maintain a record of issuance and receipt of same. Attend the Pre-Bid Conference as scheduled by CITY to provide clarification and interpretation to bidders

5. Attend the formal opening of bids by CITY's Clerk and tabulate and furnish to CITY an original and five (5) copies of the bid tabulation together with written recommendation regarding the award of the contract.

D. Construction Phase:

The Consultant Shall:

1. Attend a Pre-Construction conference with the representative of the interested CITY Department and the Contractor.
2. Perform the necessary services in connection with the construction layout on the ground for the Project. The services under this paragraph shall be for a one-time construction staking and shall include staking and identifying the stationing as presented in paragraph 3 "Construction Stakes" of the special conditions portion of the Specifications. However, during the Pre-Construction Conference, if the Contractor, CITY, and CONSULTANT agree that certain points are not needed during construction, then those points will not be set. The services under this paragraph shall also include providing cut sheets for various phases of the project. Staking for horizontal control shall consist of a hub and tack-point, except storm drainage and sewer lines, where no tack point will be required. Staking and preparation of cut sheets shall be performed as conditions portion of the Specifications. However, during the Pre-Construction Conference, if the Contractor, CITY, and CONSULTANT agree that certain points are not needed during construction, then those points will not be set. The services under this paragraph shall also include providing cut sheets for various phases of the project. Staking and preparation of cut sheets shall be performed as requested by CITY and shall be accomplished within seven (7) calendar days of notification, weather and amount of staking requested permitting.
3. Make periodic visits, no less than twice a month, to the Project site to observe, as an experienced and qualified design professional, the progress and quality of the executed work, and to determine in general, if the work is proceeding in accordance with the plans and specifications. During such visits and on the basis of on-site observations, consult and advise CITY during construction, and submit monthly reports to CITY relating to such visits, indicating progress of construction. CONSULTANT shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the work. CONSULTANT shall not be responsible for the means, methods, techniques, sequences or procedures of construction selected by the contractor or the safety precautions and programs incident to the work of the contractor. CONSULTANT shall provide CONSULTANT's best judgment in providing advice to CITY so that the completed project will conform to the plans and specifications. CONSULTANT shall not be responsible for the failure of the contractor to perform the construction work in accordance with plans and specifications and the contractor's contract; however, CONSULTANT shall report to CITY any deficiencies in the work actually detected by CONSULTANT. If more than six visits are required in any month, CONSULTANT may request additional compensation.

4. After Contractor's approval, CONSULTANT shall review and take appropriate action (approve with modifications, reject, etc.) on the Contractor's submittals, such as Shop Drawings, Product Data and samples, but only for conformance with the design concept of the project and compliance with the information given in the Contract Documents. CONSULTANT shall take such with reasonable promptness so as to minimize delay. Such reviews and approvals or other action shall not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions and programs incident thereto. The approval of a specific item shall not indicate approval of an assembly of which the item is a component.
5. Prepare and deliver one (1) set of driveway plats to Project Manager for approval and furnish four (4) approved copies for CITY's Inspector, if requested by Director pursuant to Article 5, section 5.5(B)(15) in the main body of this AGREEMENT.
6. Receive and review certificates of inspections, testing (to include Field, Laboratory, shop and Mill testing of materials), and approvals required by law, rules, regulations, ordinances, codes, orders, or the Contract Documents to determine generally that the results certified substantially comply with the Contract Documents. CONSULTANT shall recommend to CITY special inspection or testing when deemed necessary to assure that materials, products, assemblages and equipment conform to the design concept and the Contract Documents.
7. Evaluate and determine the acceptability of substitute materials and equipment proposed by the Contractor(s).
8. Review monthly estimates and recommend approval or other appropriate action on estimates to the Contractor.
9. Observe the initial startup of the Project and the necessary performance tests required by the specifications of any machinery or equipment installed in and made a part of the Project. CONSULTANT shall advise CITY if in CONSULTANT's opinion the machinery or equipment is not operating properly and make recommendations for corrections of perceived problems.
10. Perform in company with CITY representative(s) a "conditional approval" and a "final" inspection of the project to observe any apparent defects in the completed construction with regard to conformance with design concept and intent of the Contract Documents. Assist CITY in consultation and discussions with Contractor(s) concerning such deficiencies, and make recommendation as to replacement or correction of the defective work.
11. After completion of the work, and before final payment to the Contractor, CITY shall require a set of "Record Drawings" from the Contractor, who has control of the work and who is in a position to know how the project was constructed. CONSULTANT, after receiving the record drawings, shall transfer the information to a set of "Mylar" tracings as "Record Drawings" or documents for the CITY's permanent file. CONSULTANT shall also provide electronic files of "Record Drawings" to the CITY.
12. CITY shall require the Contractor to submit to CONSULTANT, who shall review and deliver to CITY, manufacturer's warranties or bonds on materials and equipment incorporated in the project of which such warranties or bonds were required by the specifications.
13. Develop, at the request of CITY, any changes, alterations or modifications to the Project, which appear to be advisable and feasible, and in the best interest of CITY. CONSULTANT shall be cognizant that any such change may affect one or more of the various utilities and every effort shall be made to avoid creating a conflict because of the change. Such alterations shall appear on or be attached to CITY's form "Field Alteration Request." A supply of these forms will be furnished to CONSULTANT by CITY for this purpose. At the direction of CITY's Inspector, CONSULTANT shall obtain the Contractor's price of the proposed alteration prior to submitting it to CITY for its approval. No work shall be authorized to be done by the Contractor prior to receipt of CITY's approval of the "Field Alteration Request."

ATTACHMENT B

PRODUCTION SCHEDULE

ATTACHMENT B

PROFESSIONAL SERVICES CONTRACT PRODUCTION SCHEDULE

Project: FRIEDRICH PARK & EISENHOWER PARK WATER SERVICE CONNECTION

Architect/Engineer Firm: San Antonio Design Group, Inc.

SECTION 1 (Not applicable to total time)

	<u>SCHEDULED</u>	<u>ACTUAL</u>
PRELIMINARY PHASE A: (Days to be Negotiated)		
Beginning Date:	_____	_____
Completion Date:	_____	_____
Calendar Days Used:	_____ Days	_____ Days
City Review & Approval:	_____ Days	_____ Days

SECTION 2

PRELIMINARY PHASE B:

Beginning Date:	_____	_____
Completion Date:	_____	_____
Calendar Days Used:	_____ Days	_____ Days
City Review & Approval:	_____ Days	_____ Days

DESIGN PHASE

Beginning Date:	_____	_____
Completion Date:	_____	_____
Calendar Days Used:	_____ Days	_____ Days
Total Contract Time:	_____ Days	_____ Days

BID PHASE & DOCUMENTS

Beginning Date:	_____	_____
Completion Date:	_____	_____
Calendar Days Used:	_____ Days	_____ Days
City Review & Approval:	_____ Days	_____ Days

BY: _____

Official Title

ATTACHMENT C

**CONSULTANT'S FEE PROPOSAL AND SBEDA PARTICIPATION STATEMENT FROM
CONSULTANT'S INTEREST STATEMENT**



**San Antonio
Design Group Inc.**

DEVELOPMENT & INFRASTRUCTURE
CONSULTING ENGINEERS

May 14, 2004

SADG Project No. 04104

Mr. Scott E. Stover, ASLA
Parks Projects Manager
City of San Antonio Parks Projects Services
506 Dolorosa
San Antonio, Texas 78283

**RE: FRIEDRICH PARK AND EISENHOWER PARK WATER SERVICE
CONNECTIONS.**

Dear Mr. Stover:

San Antonio Design Group Inc. (SADG) is pleased to submit this proposal for the above mentioned project. Attached is a breakdown of the proposed fees and additional services cost. The following is a summary of this cost.

Proposed Fee	\$68,100.00
Additional Services	\$10,800.00
Total Estimate	\$78,900.00

The additional services are for geotechnical support on both parks, and environmental issues that will have to be addressed at Eisenhower Park. We allowed for seven (7) soil borings. We are planning on five (5) of these borings to be along NW Military Hwy along the alignment site, and one soil bore at each park.

There are two (2) environmental issues that will have to be addressed for Eisenhower Park and the water main along Military Drive. One is the Endangered Species Habitat Assessment that must be submitted with our Storm Water Pollution Prevention Plan. The fee proposal from our consultant for preparing this document is \$4,500.00. The other issue is to prepare a TNRCC-10256 (Solution Feature Discovery Notification Form) should Karst features be discovered during subsequent trenching and boring operations. Our consultant's fee for preparing this document is \$400.00 for each time he is called to the site. At this time it is not known how many times he will be needed at to the site, if any. Therefore, this cost is not included as an additional service at this time.

Another additional service expense is the submittal of the "Utility Line on TxDOT Highway Right-of-Way" permit application. We will be proposing that our water main alignment follow the east right-of-way line of FM 1535 (NW Military Hwy). Because this is a State Highway, we must conform to the policies of the San Antonio District

San Antonio Design Group Inc.

Texas Department of Transportation. For your information, we are including a copy of the San Antonio District's requirements for a utility permit.

These requirements bring up another issue that should be considered at this stage. We are especially concerned with paragraph 8e (Boring and Jacking Under Desirable Trees) of these requirements. Both sides of Military Drive are lined with large trees. In addition, it appears as though bedrock is just below ground surface.

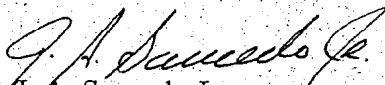
The initial budget estimate submitted by SAWS did not consider excavating in rock or extensive boring. At the present time, CPS is constructing a 4" gas main along the west right-of-way line of NW Military Hwy. They are boring almost the entire length because of the trees. We discussed our project with the company owner and he estimated the cost for constructing an 8" water main using the same procedure they are using for the gas main would be between \$70.00 to \$80.00 per foot. Unfortunately, this is approximately three times the estimated amount provided by SAWS in 1999.

We hope for the opportunity to discuss some possible solutions in the near future.

We appreciate the opportunity of working with you on this project. Please feel free to call if you have any questions.

Sincerely

SAN ANTONIO DESIGN GROUP INC.



J. A. Saucedo Jr.

Principal

Attachments: Bid Tabulation Breakdown
TxDOT Provisions for Utility Permit.

FRIEDRICH PARK EISENHOWER PARK WATER SERVICE CONNECTIONS

May 14, 2004

	EISENHOWER PARK OFF SITE	EISENHOWER PARK ON SITE	FRIEDRICH PARK OFF SITE	FRIEDRICH PARK ON SITE	TOTAL COST
PRELIMINARY PHASE A					
Scope meeting		\$ 100.00		\$ 100.00	\$ 200.00
Initial Investigation	\$ 2,500.00	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 4,500.00
Field Surveying & Processing	\$ 7,000.00	\$ 1,500.00	\$ 1,000.00	\$ 1,500.00	\$ 11,000.00
Prepare Topographic Map	\$ 3,000.00	\$ 800.00	\$ 500.00	\$ 800.00	\$ 5,100.00
Prepare Preliminary Water Main Plans	\$ 3,000.00	\$ 500.00	\$ 300.00	\$ 500.00	\$ 4,300.00
Prepare Preliminary Phase A Report		\$ 1,500.00		\$ 400.00	\$ 1,900.00
Review Meeting					\$ 200.00
Reproduction					\$ 400.00
Subtotal	\$ 15,500.00	\$ 4,900.00	\$ 2,800.00	\$ 3,800.00	\$27,200.00
PRELIMINARY PHASE B					
Intermediate Title Sheet					\$ 400.00
Intermediate Notes & Quantities					\$ 300.00
Intermediate Project Layout					\$ 1,500.00
Intermediate Phasing Plan					\$ 1,200.00
Intermediate Traffic Control Plan	\$ 3,000.00		\$ 1,000.00		\$ 4,000.00
Intermediate SW3P					\$ 400.00
Intermediate Water Main Plans	\$ 2,500.00	\$ 300.00	\$ 200.00	\$ 300.00	\$ 3,300.00
Intermediate Detail Sheets					\$ 200.00
Intermediate Cost Estimate					\$ 1,500.00
Intermediate Review Meeting					\$ 200.00
Reproduction					\$ 600.00
Subtotal	\$ 5,500.00	\$ 300.00	\$ 1,200.00	\$ 300.00	\$ 13,600.00
DESIGN PHASE					
Final Title Sheet					\$ 200.00
Final Notes & Quantities					\$ 300.00
Final Project Layout					\$ 800.00
Final Phasing Plan					\$ 800.00
Final Traffic Control Plan	\$ 1,000.00		\$ 400.00		\$ 1,400.00
Final SW3P					\$ 200.00
Final Water Main Plans	\$ 1,500.00	\$ 300.00	\$ 200.00	\$ 300.00	\$ 2,300.00
Final Detail Sheets					\$ 2,000.00
Final Cost Estimate					\$ 1,000.00
Final Review Meeting					\$ 600.00
Attend Citizen Meetings					\$ 1,000.00
Prepare Specifications					\$ 1,500.00
Prepare Standard Sheets					\$ 1,200.00
Reproduction					\$ 1,000.00
Subtotal	\$ 2,500.00	\$ 300.00	\$ 600.00	\$ 300.00	\$ 14,300.00
BID PHASE					
Prepare Bid set for Review					\$ 1,000.00
Prepare Final Cost Estimate					\$ 500.00
Prepare 20 Bid Sets					\$ 1,200.00
Issue Plans & Specifications					\$ 1,000.00
Attend Prebid Conference & Bid Opening					\$ 500.00
Prepare Bid Tabulation					\$ 400.00
Subtotal					\$ 5,600.00
CONSTRUCTION PHASE					
Pre-construction Conference					\$ 400.00
Construction Staking	\$ 2,500.00	\$ 750.00		\$ 750.00	
Construction Visits					\$ 2,000.00
Construction Administration					\$ 2,000.00
Final Inspection					\$ 500.00
Record Drawings					\$ 2,500.00
Subtotal	\$ 2,500.00	\$ 750.00		\$ 750.00	\$ 7,400.00
TOTAL BASE FEE					\$68,100.00
ADDITIONAL SERVICES					
Geotechnical					\$5,300.00
Environmental					\$4,500.00
TxDot permit					\$1,000.00
TOTAL ADDITIONAL SERVICES					\$10,800.00

**SPECIAL PROVISIONS FOR
TxDOT – SAN ANTONIO DISTRICT
UTILITY PERMITS**

Revised December 1, 2003

Bold text indicates revisions issued on the above date.

1. Effective Period of Permit Approval A TxDOT utility permit is void if installation does not begin within 6 months from the date of approval.
2. Minimum Depth of Cover. The minimum depth of cover for any underground utility line shall be as shown on the attached "Minimum Depth of Cover Table".
3. Locating TxDOT-Owned Utilities. Before beginning work on any utility permit, refer to the attachment entitled "Locating TxDOT-Owned Utilities".
4. Aerial Electric Lines. Aerial electric power lines crossing over the highway shall be installed and maintained a minimum of twenty-two (22) feet above the surface of the traffic lanes. For electric power lines with greater than 50,000 volts, the clearance shall be increased in accordance with National Electric Safety Code as published in the National Bureau of Standards, Handbook 30.
5. Aerial Communication Lines. Aerial communication lines crossing over the highway shall be installed and maintained a minimum of eighteen (18) feet above the surface of the traffic lanes.
6. Open Trenching or Boring Operations for Utility Work. To insure that disturbed areas are restored and revegetated properly and in a reasonable period as the utility work progresses, the following requirements shall apply:

Unless otherwise approved or directed by TxDOT, the length of "active utility work" shall not exceed one mile in length. "Active utility work" shall be defined as the total disturbed area measured from the beginning of open trenching to the point where backfill has been compacted, the right of way has been restored to its original line and grade, any structures damaged by the utility work have been repaired, erosion control measures have been placed and are being properly maintained, approved topsoil seed and compost has been placed uniformly, and watering for revegetation has begun. "Active utility work" also includes areas of bore pits and receiving pits; however it does not include the underground boring length. When any area of "active utility work" is substantially complete (ie, watering of seeded areas has begun), that area is no longer considered to be "active utility work", and "active utility work" can proceed further within the right of way as long as it does not exceed the above appropriate limits. Areas where TxDOT determines that the "active utility work" is substantially complete does not mean that TxDOT considers that area totally acceptable and complete.

7. Backfill, Erosion Control, and Re-vegetation. All excavations within the right-of-way (ROW) and not under pavement shall be backfilled by tamping in six (6) inch horizontal layers to the density of the surrounding soil or as directed by an inspector from the Texas Department of Transportation (TxDOT). All surplus material shall be removed and the ROW shall be reshaped to its original condition or better. Four inches of topsoil shall be spread over all disturbed areas and then re-seeded and watered sufficiently to promote revegetation. One inch of General Use Compost shall be uniformly applied over all disturbed areas in accordance with the attached Special Specification Item 1027, unless otherwise approved or directed by TxDOT. Slopes 4:1 or steeper shall be replaced with block sodding. This work shall be done in accordance with the latest edition of the Texas Department of Transportation (TxDOT) "Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges". Erosion control measures such as soil retention blankets, rock berms, and

**SPECIAL PROVISIONS FOR
TxDOT – SAN ANTONIO DISTRICT
UTILITY PERMITS**

Revised December 1, 2003

silt fences shall be installed and maintained until permanent perennial vegetation is established over 70% of the disturbed area. The amount of revegetation is considered acceptable when it resembles the amount of existing vegetation in the surrounding undisturbed area.

8. Boring and Jacking. Boring and jacking of utility lines shall be provided as specified below.

- a. Under Highways. Utility lines to be constructed under any TxDOT highway shall be installed by boring and jacking with steel casing. Boring shall extend a minimum of ten (10) feet from the edge of pavement or curb. Use of water or other fluids in connection with boring operations will be permitted only in sufficient quantity to lubricate the boring bit and provide a smooth flow of cuttings. Jetting will not be permitted.
- b. Under Paved County Roads or City Streets. Utility lines to be constructed under an existing paved (asphalt pavement or concrete pavement) county road or city street intersection at a TxDOT Highway, shall be installed by boring and jacking with steel casing.
- c. Under Paved Driveways. Utility lines to be constructed under existing paved (asphalt pavement or concrete pavement) driveways shall be installed by boring and jacking methods, unless the utility company furnishes TxDOT with a "Letter of No Objection" signed by the driveway owner to allow open cutting of their driveway.
- d. Under Unpaved County Roads, City Streets, or Driveways. Utility lines to be constructed under an existing unpaved county road or city street intersection at a TxDOT Highway, or under existing unpaved driveways may be open cut after the driveway owner is notified.
- e. Under Desirable Trees. To preserve the natural environment and protect wildlife habitat, boring may be required when underground utility lines are to be placed within the "protected root area" of "desirable trees" located within highway ROW or on adjacent property. The "protected root area" is defined as the area between the tree trunk and five (5) feet from the tree trunk or 2/3 the actual distance from the tree trunk to the dripline, whichever is greater. "Desirable trees" include (but are not limited to) any tree with a trunk diameter of six (6) inches or more that TxDOT determines to be of environmental and aesthetic value. Boring under all "desirable trees" will be required with the following exceptions: (1) in areas where planned highway construction/maintenance work would require tree removal, or (2) when the TxDOT inspector approves of open trenching for the utility installation or removal of the tree.

9. Manhole Covers. All manhole covers shall be installed flush with the ground surface.

10. Traffic Control. Traffic control in utility work zones shall conform to applicable requirements of the "Texas Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI". Adequate signs, barricades, flag personnel, etc. shall be erected and maintained in complete compliance with the Texas Manual on Uniform Traffic Control Devices as deemed necessary by the TxDOT inspector. Any travel lane closures are only permitted after a traffic control plan is approved by TxDOT prior to beginning any construction activities.

11. Saturday, Sunday or Holiday Work. Saturday, Sunday or Holiday work will not be permitted for the installation of any utility line unless directed or approved by TxDOT.

**SPECIAL PROVISIONS FOR
TxDOT – SAN ANTONIO DISTRICT
UTILITY PERMITS**

Revised December 1, 2003

12. Protection of Trees and Landscaping. Existing trees and landscaping within the ROW shall be protected as specified below. Removal of trees from the ROW will require prior TxDOT approval.

- a. **Tree Pruning.** All tree pruning within the ROW will require prior TxDOT approval. All oak trees that are damaged or pruned shall be treated with an approved tree wound dressing within 20 minutes of causing the damage or making the pruning cut.
- b. **Landscaping.** When existing landscaping is located near the proposed utility alignment, the utility contractor shall notify TxDOT and the owner of the landscaping prior to the proposed utility installation. TxDOT may require underground utilities to be installed by: (1) boring under such landscaping or (2) by replacement of specific landscape items. Landscaping is defined as, but not limited to, trees, shrubs, grass, irrigation lines, landscape pavers, sidewalks, and other ROW improvements.

C:\UtilitySpecialProvisions